



| BUILDING CHARACTERISTICS |                  |                  |      |              |                      |
|--------------------------|------------------|------------------|------|--------------|----------------------|
| ELEMENT                  | CD               | CONSTRUCTION     |      |              |                      |
| Exterior Wall            | 10               | ABOVE AVG 100    |      |              |                      |
| Roof Structure           | 03               | GABLE/HIP 100    |      |              |                      |
| Roof Cover               | 03               | COMP SHNGL 100   |      |              |                      |
| Interior Wall            | 05               | DRYWALL 100      |      |              |                      |
| Interior Floor           | 11               | CLAY TILE 50     |      |              |                      |
| Interior Floor           | 14               | CARPET 50        |      |              |                      |
| Air Condition            | 03               | CENTRAL 100      |      |              |                      |
| Heating Type             | 04               | AIR DUCTED 100   |      |              |                      |
| Bedrooms                 |                  | 3 100            |      |              |                      |
| Bathrooms                |                  | 2 100            |      |              |                      |
| Frame                    | 02               | WOOD FRAME 100   |      |              |                      |
| Stories                  | 1.               | 1. 100           |      |              |                      |
| Units                    |                  | 0 100            |      |              |                      |
| Occupancy                | 00               | NONE 100         |      |              |                      |
|                          |                  |                  |      |              |                      |
|                          |                  |                  |      |              |                      |
| Quality                  | 03               | Quality Level 03 |      |              |                      |
| DOR CODE                 | 0100             | SINGLE FAMILY    |      |              |                      |
| MAP NUM                  |                  | MKT AREA         |      |              | 03                   |
| NEIGHBORHOOD/LOC         | 3031.00          |                  |      |              |                      |
| AREA TYPE                | TOTAL GROSS AREA | PCT OF BASE      | YEAR | TOT ADJ AREA | SUBAREA MARKET VALUE |
| BAS                      | 1,560            | 100              | 1993 | 1,560        | 260,070              |
| BAS                      | 110              | 100              | 2007 | 110          | 18,339               |
| BAS                      | 252              | 100              | 2007 | 252          | 42,011               |
| DCK                      | 655              | 10               | 2007 | 66           | 11,003               |
| FGR                      | 394              | 55               | 1993 | 217          | 36,177               |
| FOP                      | 16               | 30               | 1993 | 5            | 833                  |
| PTO                      | 10               | 5                | 2007 | 0            | 0                    |
| TOTALS                   | 2,997            |                  |      | 2,210        | 368,433              |

| MARKET ADJUSTMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |           |             |                |                |      |      |      |      |         |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|-------------|----------------|----------------|------|------|------|------|---------|--------|
| TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | MDL | EFF. AREA | TOT ADJ PTS | EFF. BASE RATE | REPL. COST NEW | AYB  | EYB  | ECON | FNCT | NORM    | % COND |
| 0500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 01  | 2,210     | 112.2100    | 186.27         | 411,657        | 1993 | 2003 | 0    | 0    | 0 10.50 | 89.50  |
| 1 SFR CUST 100% - 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |           |             |                |                |      |      |      |      |         |        |
| Heated Area: 1922                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     |           |             |                |                |      |      |      |      |         |        |
| HX Base Yr 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
| <p>The floor plan diagram shows a complex layout with several labeled areas and dimensions. The areas are: BAS 2007 (multiple locations), DCK 2007, BAS 1993, and FGR 1993. Dimensions are provided for various segments of the perimeter and internal walls. The plan includes a central rectangular area, a smaller rectangular area at the bottom, and a complex shape at the top with multiple protrusions and indentations. The dimensions are in feet, and the areas are in square feet.</p> |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |           |             |                |                |      |      |      |      |         |        |