

$F:$

| $AB$ |    | $A$    |              |          |
|------|----|--------|--------------|----------|
|      |    | 11     | 10           |          |
| $CD$ | 00 | 01     | 11           | 10       |
|      | 00 | 01     | 11           | 10       |
| $C$  | 00 | 0<br>1 | 4<br>1       | 12<br>8  |
|      | 01 | 1<br>1 | 5<br>13<br>1 | 9        |
|      | 11 | 3<br>1 | 7<br>15<br>1 | 11       |
|      | 10 | 2      | 6            | 14<br>10 |
|      |    | $B$    |              | $D$      |