Tugas Penghitungan Algoritma Apriori

Kode / Mata Kuliah / SKS : Penambangan Data / 3 sks

Program Studi : Teknik Informatika

Semester / Kelas : VI / 61RK

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| | Nomor | Produk yang dibeli |
|---|-------|--|
| | 1 | Susu Indomilk , CDR , Indomie Goreng |
| | 2 | Roti Sharon, Susu Indomilk , Biskuit Roma |
| | 3 | Teh Sosro, Kopi ABC, Susu Indomilk , Roti Sharon |
| | 4 | Gulaku, Biskuit Roma, Minyak Goreng Tropical, Indomie Goreng |
| | 5 | Roti Sharon, Indomie Goreng, Saus ABC Extra Pedas |
| | 6 | Gulaku, Minyak Goreng Tropical, Indomie Goreng |
| | 7 | Susu Indomilk , Roti Sharon, Minyak Goreng Tropical, Indomie Goreng |
| | 8 | Indomie Goreng, Minyak Goreng Tropical, Gulaku, Saus ABC Extra Pedas |
| | 9 | Indomie Goreng, Minyak Goreng Tropical, Gulaku, Saus ABC Extra Pedas, Roti Sharon |
| | 10 | Kopi ABC, Roti Sharon |
| | 11 | Roti Sharon, Kopi ABC, Susu Indomilk |
| I | 12 | Susu Indomilk |
| | 13 | Susu Indomilk , Roti Sharon |
| | | |

Dengan menggunakan Algoritma Apriori, tentukan aturan asosiasi yang terbentuk dari tabel transaksi diatas!

| Susu Indomilk | Α |
|---------------|---|
| | |

| CDR | В |
|------------------------|---|
| Indomie Goreng | С |
| Roti Sharon | D |
| Biskuit Roma | Е |
| The Sosro | F |
| Kopi ABC | G |
| Gulaku | Н |
| Minyak Goreng Tropical | I |
| Saus ABC Extra Pedas | J |

Mencari iterasi pertama

Dengan $\phi = 2$

| | Α | В | С | D | E | F | G | Н | 1 | J |
|----|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 3 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 |
| 4 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 |
| 5 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 6 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 7 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| 8 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| 9 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 |
| 10 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| 11 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 1 | 7 | 7 | 2 | 1 | 3 | 4 | 5 | 3 |

Mencari Iterasi Ke 2

| | Α | В | F | | Α | С | F | | Α | D | F | i | A | E | F |
|-------|----------|---|---|----|----------|---|---|----|---|---|---|----|----------|---|----|
| 1 | 1 | 1 | S | 1 | 1 | 1 | P | 1 | 1 | 0 | S | 1 | 1 | 0 | S |
| 2 | 1 | 0 | S | 2 | 1 | 0 | S | 2 | 1 | 1 | P | 2 | 1 | 1 | P |
| 3 | 1 | 0 | S | 3 | 1 | 0 | S | 3 | 1 | 1 | P | 3 | 1 | 0 | S |
| 4 | 0 | 0 | S | 4 | 0 | 1 | S | 4 | 0 | 0 | S | 4 | 0 | 1 | S |
| 5 | 0 | 0 | S | 5 | 0 | 1 | S | 5 | 0 | 1 | S | 5 | 0 | Ö | S |
| 6 | 0 | 0 | S | 6 | 0 | 1 | s | 6 | 0 | Ö | S | 6 | 0 | 0 | S |
| 7 | 1 | 0 | S | 7 | 1 | 1 | P | 7 | 1 | 1 | P | 7 | 1 | 0 | 9 |
| 8 | 0 | 0 | S | 8 | 0 | 1 | S | 8 | 0 | 0 | S | 8 | 0 | 0 | S |
| 9 | 0 | 0 | S | 9 | 0 | 1 | S | 9 | 0 | 1 | S | 9 | 0 | 0 | S |
| 10 | 0 | 0 | S | 10 | 0 | 0 | S | 10 | 0 | 1 | s | 10 | 0 | 0 | S |
| 11 | 1 | 0 | S | 11 | 1 | 0 | s | 11 | 1 | 1 | P | 11 | 1 | 0 | S |
| 12 | 1 | 0 | S | 12 | 1 | 0 | s | 12 | 1 | 0 | S | 12 | 1 | 0 | S |
| 13 | 1 | 0 | S | 13 | 1 | 0 | S | 13 | 1 | 1 | P | 13 | 1 | 0 | S |
| | <u> </u> | | 1 | | <u> </u> | | 2 | | | | 5 | | <u> </u> | - | 1 |
| | Α | 1 | F | | Α | J | F | | В | С | F | | В | D | F |
| 1 | 1 | 0 | S | 1 | 1 | 0 | S | 1 | 1 | 1 | S | 1 | 1 | 0 | S |
| 2 | 1 | 0 | S | 2 | 1 | 0 | S | 2 | 0 | 0 | S | 2 | 0 | 1 | S |
| 3 | 1 | 0 | S | 3 | 1 | 0 | S | 3 | 0 | 0 | S | 3 | 0 | 1 | S |
| 4 | 0 | 1 | S | 4 | 0 | 0 | S | 4 | 0 | 1 | S | 4 | 0 | 0 | S |
| 5 | 0 | 0 | S | 5 | 0 | 1 | S | 5 | 0 | 1 | S | 5 | 0 | 1 | S |
| 6 | 0 | 1 | S | 6 | 0 | 0 | S | 6 | 0 | 1 | S | 6 | 0 | 0 | S |
| 7 | 1 | 1 | S | 7 | 1 | 0 | S | 7 | 0 | 1 | S | 7 | 0 | 1 | S |
| 8 | 0 | 1 | S | 8 | 0 | 1 | S | 8 | 0 | 1 | S | 8 | 0 | 0 | S |
| 9 | 0 | 1 | S | 9 | 0 | 1 | S | 9 | 0 | 1 | S | 9 | 0 | 1 | IJ |
| 10 | 0 | 0 | S | 10 | 0 | 0 | s | 10 | 0 | 0 | S | 10 | 0 | 1 | S |
| 11 | 1 | 0 | S | 11 | 1 | 0 | S | 11 | 0 | 0 | S | 11 | 0 | 1 | S |
| 12 | 1 | 0 | S | 12 | 1 | 0 | S | 12 | 0 | 0 | S | 12 | 0 | 0 | S |
| 13 | 1 | 0 | S | 13 | 1 | 0 | S | 13 | 0 | 0 | S | 13 | 0 | 1 | S |
| | | | 0 | | | | 0 | | | | 0 | | | | 0 |
| | В | Н | F | | В | ı | F | | В | J | F | | С | D | F |
| 1 | 1 | 0 | S | 1 | 1 | 0 | S | 1 | 1 | 0 | S | 1 | 1 | 0 | S |
| 2 | 0 | 0 | S | 2 | 0 | 0 | S | 2 | 0 | 0 | S | 2 | 0 | 1 | S |
| 3 | 0 | 0 | S | 3 | 0 | 0 | S | 3 | 0 | 0 | S | 3 | 0 | 1 | S |
| 4 | 0 | 1 | S | 4 | 0 | 1 | S | 4 | 0 | 0 | S | 4 | 1 | 0 | S |
| 5 | 0 | 0 | S | 5 | 0 | 0 | S | 5 | 0 | 1 | S | 5 | 1 | 1 | S |
| 6 | 0 | 1 | S | 6 | 0 | 1 | S | 6 | 0 | 0 | S | 6 | 1 | 0 | S |
| 7 | 0 | 0 | S | 7 | 0 | 1 | S | 7 | 0 | 0 | S | 7 | 1 | 1 | 5 |
| 8 | 0 | 1 | S | 8 | 0 | 1 | S | 8 | 0 | 1 | S | 8 | 1 | 0 | S |
| 9 | 0 | 1 | S | 9 | 0 | 1 | S | 9 | 0 | 1 | S | 9 | 1 | 1 | P |
| 10 | 0 | 0 | S | 10 | 0 | 0 | S | 10 | 0 | 0 | S | 10 | 0 | 1 | S |
| 11 | 0 | 0 | S | 11 | 0 | 0 | S | 11 | 0 | 0 | S | 11 | 0 | 1 | S |
| 12 | 0 | 0 | S | 12 | 0 | 0 | S | 12 | 0 | 0 | S | 12 | 0 | 0 | S |
| 13 | U | U | S | 13 | U | U | S | 13 | U | U | S | 13 | 0 | 1 | S |
| oxdot | | | 0 | | | | 0 | | | | 0 | | | | 1 |

| | 0 | Н | г | | С | | Г | | - | 1 | F |
|---|---|---|---------------------------------------|---|--|---|---------------------------------------|---|---|--|--|
| 1 | C 1 | 0 | F S | 1 | 1 | 0 | F S | 1 | C 1 | J O | S |
| 2 | 0 | 0 | S | 2 | 0 | 0 | S | 2 | 0 | 0 | S |
| 3 | 0 | 0 | S | 3 | 0 | 0 | S | 3 | 0 | 0 | S |
| 4 | | | P | 4 | 1 | 1 | P | | | | S |
| | 1 | 1 | | | | | | 4 | 1 | 0 | P |
| 5 | 1 | 0 | S | 5 | 1 | 0 | S | 5 | | 1 | |
| 6 | 1 | 1 | P | 6 | 1 | 1 | Р | 6 | 1 | 0 | S |
| 7 | 1 | 0 | S | 7 | 1 | 1 | Р | 7 | 1 | 0 | S |
| 8 | 1 | 1 | Р | 8 | 1 | 1 | Р | 8 | 1 | 1 | Р |
| 9 | 1 | 1 | P | 9 | 1 | 1 | Р | 9 | 1 | 1 | Р |
| 10 | 0 | 0 | S | 10 | 0 | 0 | S | 10 | 0 | 0 | S |
| 11 | 0 | 0 | S | 11 | 0 | 0 | S | 11 | 0 | 0 | S |
| 12 | 0 | 0 | S | 12 | 0 | 0 | S | 12 | 0 | 0 | S |
| 13 | 0 | 0 | S | 13 | 0 | 0 | S | 13 | 0 | 0 | S |
| | | | 2 | | | | 5 | | | | 3 |
| | D | | F | | D | J | F | | Е | S | F |
| 1 | 0 | 0 | S | 1 | 0 | 0 | S | 1 | 0 | 0 | S |
| 2 | 1 | 0 | S | 2 | 1 | 0 | S | 2 | 1 | 0 | S |
| 3 | 1 | 0 | S | 3 | 1 | 0 | S | 3 | 0 | 1 | S |
| 4 | 0 | 1 | S | 4 | 0 | 0 | S | 4 | 1 | 0 | S |
| 5 | 1 | 0 | S | 5 | 1 | 1 | Р | 5 | 0 | 0 | S |
| 6 | 0 | 1 | S | 6 | 0 | 0 | S | 6 | 0 | 0 | S |
| 7 | 1 | 1 | Р | 7 | 1 | 0 | S | 7 | 0 | 0 | S |
| 8 | 0 | 1 | S | 8 | 0 | 1 | S | 8 | 0 | 0 | S |
| 9 | 1 | 1 | Р | 9 | 1 | 1 | Р | 9 | 0 | 0 | S |
| 10 | 1 | 0 | S | 10 | 1 | 0 | S | 10 | 0 | 0 | S |
| 11 | 1 | 0 | S | 11 | 1 | 0 | S | 11 | 0 | 0 | S |
| 12 | 0 | 0 | S | 12 | 0 | 0 | S | 12 | 0 | 0 | S |
| 13 | 1 | 0 | S | 13 | 1 | 0 | S | 13 | 0 | 0 | S |
| | | | 2 | | | | 2 | | | | 0 |
| | S | G | F | | S | Н | F | | S | I | F |
| | | | | | | | | | | | |
| 1 | | | | 1 | | | | 1 | | Ω | |
| 1 2 | 0 | 0 | S | 1 2 | 0 | 0 | S | 1 2 | 0 | 0 | S |
| 2 | 0 | 0 | S S | 2 | 0 | 0 | S | 2 | 0 | 0 | S S |
| 2 | 0 0 1 | 0 0 1 | S S P | 2 | 0 0 1 | 0 0 0 | 0 0 0 | 2 | 0 0 1 | 0 | S S |
| 2 3 4 | 0 0 1 0 | 0 0 1 0 | S S P S | 2 3 4 | 0 0 1 0 | 0 0 0 1 | S S S | 2 3 4 | 0 0 1 0 | 0 0 1 | \$ \$ \$ |
| 2 3 4 5 | 0 0 1 0 | 0 0 1 0 | S S P S | 2 3 4 5 | 0 0 1 0 | 0 0 0 1 | S S S S | 2 3 4 5 | 0 0 1 0 | 0 0 1 0 | \$ \$ \$ \$ |
| 2 3 4 5 6 | 0 0 1 0 0 | 0 0 1 0 0 | S S P S S S | 2 3 4 5 6 | 0 0 1 0 0 | 0 0 0 1 0 | 000000 | 2 3 4 5 6 | 0 0 1 0 0 | 0 0 1 0 | 0 0 0 0 |
| 2 3 4 5 6 | 0 0 1 0 0 | 0 0 1 0 0 0 | S S P S S | 2 3 4 5 6 7 | 0 0 1 0 0 0 | 0 0 0 1 0 | 0000000 | 2 3 4 5 6 7 | 0 0 1 0 0 | 0 0 1 0 1 | 0 0 0 0 0 0 0 0 0 0 |
| 2 3 4 5 6 7 | 0 0 1 0 0 0 | 0 0 1 0 0 0 | S P S S S S S | 2 3 4 5 6 7 | 0 0 1 0 0 0 | 0 0 0 1 0 1 | 000000000 | 2 3 4 5 6 7 | 0 0 1 0 0 0 | 0 0 1 0 1 1 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ |
| 2 3 4 5 6 7 8 | 0 0 1 0 0 0 0 | 0 0 1 0 0 0 0 | S S S S S S S S | 2 3 4 5 6 7 8 | 0 0 1 0 0 0 0 | 0 0 0 1 0 1 0 | 000000000 | 2 3 4 5 6 7 8 | 0 0 1 0 0 0 0 | 0 0 1 0 1 1 1 | \$\times \times \ |
| 2 3 4 5 6 7 8 9 | 0 0 1 0 0 0 0 0 | 0 0 1 0 0 0 0 0 | 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 2 3 4 5 6 7 8 9 | 0 0 1 0 0 0 0 0 | 0 0 0 1 0 1 0 1 1 | 999999999 | 2 3 4 5 6 7 8 9 | 0 0 1 0 0 0 0 0 | 0 0 1 0 1 1 1 1 | \$\times \times \ |
| 2 3 4 5 6 7 8 9 10 | 0 0 1 0 0 0 0 0 | 0 0 1 0 0 0 0 0 0 | 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 2 3 4 5 6 7 8 9 10 | 0 0 1 0 0 0 0 0 0 | 0 0 0 1 0 1 0 1 1 0 | 9999999999 | 2 3 4 5 6 7 8 9 10 | 0 0 1 0 0 0 0 | 0 0 1 0 1 1 1 1 0 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ |
| 2 3 4 5 6 7 8 9 10 11 | 0 0 1 0 0 0 0 0 0 | 0 0 1 0 0 0 0 0 0 | 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 2 3 4 5 6 7 8 9 10 11 | 0 0 1 0 0 0 0 0 0 | 0 0 0 1 0 1 0 1 1 0 0 | 0 0 0 0 0 0 0 0 0 0 0 | 2 3 4 5 6 7 8 9 10 11 | 0 0 1 0 0 0 0 0 0 | 0 0 1 0 1 1 1 1 0 0 | \$\text{\$\sigma\$}\$\$ \$\sigma\$\$ \$\sigma |
| 2 3 4 5 6 7 8 9 10 | 0 0 1 0 0 0 0 0 | 0 0 1 0 0 0 0 0 0 | 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 2 3 4 5 6 7 8 9 10 | 0 0 1 0 0 0 0 0 0 | 0 0 0 1 0 1 0 1 1 0 | 9999999999 | 2 3 4 5 6 7 8 9 10 | 0 0 1 0 0 0 0 | 0 0 1 0 1 1 1 1 0 | \$\sigma\$ \sigma\$ \sigm |
| 2 3 4 5 6 7 8 9 10 11 | 0 0 1 0 0 0 0 0 0 | 0 0 1 0 0 0 0 0 0 | 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 2 3 4 5 6 7 8 9 10 11 | 0 0 1 0 0 0 0 0 0 | 0 0 0 1 0 1 0 1 1 0 0 | 0 0 0 0 0 0 0 0 0 0 0 | 2 3 4 5 6 7 8 9 10 11 | 0 0 1 0 0 0 0 0 0 | 0 0 1 0 1 1 1 1 0 0 | \$\text{\$\sigma\$}\$\$ \$\sigma\$\$ \$\sigma |
| 2 3 4 5 6 7 8 9 10 11 | 0 0 1 0 0 0 0 0 0 | 0 0 1 0 0 0 0 0 0 1 1 | S S S S S S S S S S S S S S S S S S S | 2 3 4 5 6 7 8 9 10 11 | 0 0 1 0 0 0 0 0 0 0 | 0 0 0 1 0 1 0 1 1 0 0 0 0 | 9999999999 | 2 3 4 5 6 7 8 9 10 11 | 0 0 1 0 0 0 0 0 0 | 0 0 1 0 1 1 1 1 1 0 0 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ |
| 2 3 4 5 6 7 8 9 10 11 12 13 | 0 0 1 0 0 0 0 0 0 0 | 0 0 1 0 0 0 0 0 0 1 1 1 | 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 2 3 4 5 6 7 8 9 10 11 12 | 0 0 1 0 0 0 0 0 0 0 0 | 0 0 0 1 0 1 1 0 1 1 0 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2 3 4 5 6 7 8 9 10 11 12 13 | 0 0 1 0 0 0 0 0 0 0 | 0 0 1 0 1 1 1 1 1 0 0 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ |
| 2 3 4 5 6 7 8 9 10 11 12 13 | 0 0 1 0 0 0 0 0 0 0 0 | 0 0 1 0 0 0 0 0 0 1 1 1 0 | 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 2 3 4 5 6 7 8 9 10 11 12 13 | 0 0 1 0 0 0 0 0 0 0 0 | 0 0 0 1 0 1 1 0 1 1 0 0 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2 3 4 5 6 7 8 9 10 11 12 13 | 0 0 1 0 0 0 0 0 0 0 | 0 0 1 0 1 1 1 1 1 0 0 0 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ |
| 2 3 4 5 6 7 8 9 10 11 12 13 | 0 0 1 0 0 0 0 0 0 0 0 | 0 0 1 0 0 0 0 0 0 1 1 1 0 | 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 2 3 4 5 6 7 8 9 10 11 12 13 | 0 0 1 0 0 0 0 0 0 0 0 0 | 0 0 0 1 0 1 1 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2 3 4 5 6 7 8 9 10 11 12 13 | 0 0 1 0 0 0 0 0 0 0 0 | 0 0 1 0 1 1 1 1 1 0 0 0 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ |
| 2 3 4 5 6 7 8 9 10 11 12 13 | 0 0 1 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 1 1 1 0 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2 3 4 5 6 7 8 9 10 11 12 13 | 0 0 1 0 0 0 0 0 0 0 0 0 | 0 0 0 1 0 1 1 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2 3 4 5 6 7 8 9 10 11 12 13 | 0 0 1 0 0 0 0 0 0 0 0 | 0 0 1 0 1 1 1 1 1 0 0 0 0 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ |
| 2 3 4 5 6 7 8 9 10 11 12 13 | 0 0 1 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 1 1 1 0 0 | 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 2 3 4 5 6 7 8 9 10 11 12 13 | 0 0 1 0 0 0 0 0 0 0 0 0 0 | 0 0 0 1 0 1 1 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2 3 4 5 6 7 8 9 10 11 12 13 | 0 0 1 0 0 0 0 0 0 0 0 | 0 0 1 0 1 1 1 1 1 0 0 0 0 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ |
| 2 3 4 5 6 7 8 9 10 11 12 13 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 1 1 1 0 0 | 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 2 3 4 5 6 7 8 9 10 11 12 13 | 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 1 0 1 1 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2 3 4 5 6 7 8 9 10 11 12 13 | 0 0 1 0 0 0 0 0 0 0 0 0 | 0 0 1 0 1 1 1 1 1 0 0 0 0 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ |
| 2 3 4 5 6 7 8 9 10 11 12 13 1 2 3 4 5 6 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 1 1 1 0 0 0 | | 2 3 4 5 6 7 8 9 10 11 12 13 | 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 1 0 1 1 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2 3 4 5 6 7 8 9 10 11 12 13 | 0 0 1 0 0 0 0 0 0 0 0 0 | 0 0 1 0 1 1 1 1 1 0 0 0 0 0 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ |
| 2 3 4 5 6 7 8 9 10 11 12 13 1 2 3 4 5 6 7 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 1 1 0 0 0 | 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 2 3 4 5 6 7 8 9 10 11 12 13 | 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 1 0 1 1 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2 3 4 5 6 7 8 9 10 11 12 13 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 1 0 1 1 1 1 1 0 0 0 0 0 | \$\sigma \$\sigma \text{\$\sigma \text{\$\ |
| 2 3 4 5 6 7 8 9 10 11 12 13 13 1 2 3 4 5 6 7 8 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 2 3 4 5 6 7 8 9 10 11 12 13 1 2 3 4 5 6 7 | 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 1 0 1 1 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2 3 4 5 6 7 8 9 10 11 12 13 1 2 3 4 5 6 7 | 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 1 0 1 1 1 1 1 0 0 0 0 0 0 | \$\sigma \$\sigma \text{\$\sigma \text{\$\ |
| 2 3 4 5 6 7 8 9 10 11 12 13 13 1 2 3 4 5 6 7 8 9 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 | 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 2 3 4 5 6 7 8 9 10 11 12 13 1 2 3 4 5 6 7 8 9 | 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 1 0 1 1 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2 3 4 5 6 7 8 9 10 11 12 13 1 2 3 4 5 6 7 8 9 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 1 0 1 1 1 1 1 0 0 0 0 0 0 0 | \$\text{\$\sigma\$}\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$ |
| 2 3 4 5 6 7 8 9 10 11 12 13 13 1 2 3 4 5 6 7 8 9 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | 2 3 4 5 6 7 8 9 10 11 12 13 1 2 3 4 5 6 7 8 | 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 1 0 1 1 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2 3 4 5 6 7 8 9 10 11 12 13 1 2 3 4 5 6 7 8 9 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 1 0 1 1 1 1 1 0 0 0 0 0 0 0 | \$\text{\$\sigma\$}\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$ |
| 2 3 4 5 6 7 8 9 10 11 12 13 1 1 2 3 4 5 6 7 8 9 9 10 11 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 1 1 1 0 0 0 | | 2 3 4 5 6 7 8 9 10 11 12 13 1 2 3 4 5 6 7 8 9 | 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 1 1 0 1 1 0 0 0 0 0 0 0 0 0 0 0 1 1 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2 3 4 5 6 7 8 9 10 11 12 13 1 2 3 4 5 6 7 8 9 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 1 0 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 | |
| 2 3 4 5 6 7 8 9 10 11 12 13 1 2 3 4 5 6 7 8 9 10 11 11 12 13 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 1 1 1 0 0 0 | | 2 3 4 5 6 7 8 9 10 11 12 13 1 2 3 4 5 6 7 8 9 | 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 1 1 0 1 1 0 0 0 0 0 0 0 0 0 0 0 1 1 0 | | 2 3 4 5 6 7 8 9 10 11 12 13 1 2 3 4 5 6 7 8 9 10 11 11 12 13 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 1 0 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 | \$\text{\$\sigma\$}\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$\text{\$\sigma\$}\$\$ |
| 2 3 4 5 6 7 8 9 10 11 12 13 1 1 2 3 4 5 6 7 8 9 9 10 11 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 1 1 1 0 0 0 | | 2 3 4 5 6 7 8 9 10 11 12 13 1 2 3 4 5 6 7 8 9 | 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 1 1 0 1 1 0 0 0 0 0 0 0 0 0 0 0 1 1 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2 3 4 5 6 7 8 9 10 11 12 13 1 2 3 4 5 6 7 8 9 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 1 0 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 | |

| | Α | Е | F | | Α | S | F | | Α | G | F |
|----|---|---|--------|----|---|---|--------|----|---|---|---|
| 1 | 1 | 0 | S | 1 | 1 | 0 | S | 1 | 1 | 0 | S |
| 2 | 1 | 1 | Р | 2 | 1 | 0 | S | 2 | 1 | 0 | S |
| 3 | 1 | 0 | S | 3 | 1 | 1 | Р | 3 | 1 | 1 | Р |
| 4 | 0 | 1 | S | 4 | 0 | 0 | S | 4 | 0 | 0 | S |
| 5 | 0 | 0 | S | 5 | 0 | 0 | S | 5 | 0 | 0 | S |
| 6 | 0 | 0 | S | 6 | 0 | 0 | S | 6 | 0 | 0 | S |
| 7 | 1 | 0 | S | 7 | 1 | 0 | S | 7 | 1 | 0 | S |
| 8 | 0 | 0 | S | 8 | 0 | 0 | S | 8 | 0 | 0 | S |
| 9 | 0 | 0 | S | 9 | 0 | 0 | S | 9 | 0 | 0 | S |
| 10 | 0 | 0 | S | 10 | 0 | 0 | S | 10 | 0 | 1 | S |
| 11 | 1 | 0 | S | 11 | 1 | 0 | S | 11 | 1 | 1 | Р |
| 12 | 1 | 0 | S | 12 | 1 | 0 | S | 12 | 1 | 0 | S |
| 13 | 1 | 0 | S | 13 | 1 | 0 | S | 13 | 1 | 0 | S |
| | | | 1 | | | | | | | | 2 |
| | В | D | F | | В | E | F | | В | S | F |
| 1 | 1 | 0 | S | 1 | 1 | 0 | S | 1 | 1 | 0 | S |
| 2 | 0 | 1 | S | 2 | 0 | 1 | S | 2 | 0 | 0 | S |
| 3 | 0 | 1 | S | 3 | 0 | 0 | S | 3 | 0 | 1 | S |
| 4 | 0 | 0 | S | 4 | 0 | 1 | S | 4 | 0 | 0 | S |
| 5 | 0 | 1 | S | 5 | 0 | 0 | S | 5 | 0 | 0 | S |
| 6 | 0 | 0 | S | 6 | 0 | 0 | S | 6 | 0 | 0 | S |
| 7 | 0 | 1 | S | 7 | 0 | 0 | S | 7 | 0 | 0 | S |
| 8 | 0 | 0 | S | 8 | 0 | 0 | S | 8 | 0 | 0 | S |
| 9 | 0 | 1 | S | 9 | 0 | 0 | S | 9 | 0 | 0 | S |
| 10 | 0 | 1 | S | 10 | 0 | 0 | S | 10 | 0 | 0 | S |
| 11 | 0 | 1 | S | 11 | 0 | 0 | S | 11 | 0 | 0 | S |
| 12 | 0 | 0 | S | 12 | 0 | 0 | S | 12 | 0 | 0 | S |
| 13 | 0 | 1 | S | 13 | 0 | 0 | S | 13 | 0 | 0 | S |
| | _ | _ | 0 | | _ | _ | 0 | | _ | _ | 0 |
| | С | D | F | | С | E | F | | С | S | F |
| 1 | 1 | 0 | S | 1 | 1 | 0 | S | 1 | 1 | 0 | S |
| 2 | 0 | 1 | S | 2 | 0 | 1 | S | 2 | 0 | 0 | S |
| 3 | 0 | 1 | S | 3 | 0 | 0 | S | 3 | 0 | 1 | S |
| 4 | 1 | 0 | S | 4 | 1 | 1 | Р | 4 | 1 | 0 | S |
| 5 | 1 | 1 | S | 5 | 1 | 0 | S | 5 | 1 | 0 | S |
| 6 | 1 | 0 | S | 6 | 1 | 0 | S | 6 | 1 | 0 | S |
| 7 | 1 | 1 | S | 7 | 1 | 0 | S | 7 | 1 | 0 | S |
| 8 | 1 | 0 | S | 8 | 1 | 0 | S | 8 | 1 | 0 | S |
| 9 | 1 | 1 | P | 9 | 1 | 0 | S | 9 | 1 | 0 | S |
| 10 | 0 | 1 | S | 10 | 0 | 0 | S | 10 | 0 | 0 | S |
| 11 | 0 | 1 | S | 11 | 0 | 0 | S | 11 | 0 | 0 | S |
| 12 | 0 | 0 | S | 12 | 0 | 0 | S | 12 | 0 | 0 | S |
| 13 | 0 | 1 | S 1 | 13 | 0 | 0 | S 1 | 13 | 0 | 0 | S |

| | | | | | | | - | | | | - |
|----------|----------|---|--------------|----------|-----|---|---|----------|--------|------|-----|
| | D | E | F | | D | S | F | - | D | G | F |
| 1 | 0 | 0 | S | 1 | 0 | 0 | S | 1 | 0 | 0 | S |
| 2 | 1 | 1 | Р | 2 | 1 | 0 | S | 2 | 1 | 0 | S |
| 3 | 1 | 0 | S | 3 | 1 | 1 | Р | 3 | 1 | 1 | Р |
| 4 | 0 | 1 | S | 4 | 0 | 0 | S | 4 | 0 | 0 | S |
| 5 | 1 | 0 | S | 5 | 1 | 0 | S | 5 | 1 | 0 | S |
| 6 | 0 | 0 | S | 6 | 0 | 0 | s | 6 | 0 | 0 | S |
| 7 | 1 | 0 | S | 7 | 1 | 0 | S | 7 | 1 | 0 | S |
| 8 | 0 | 0 | S | 8 | 0 | 0 | S | 8 | 0 | 0 | S |
| 9 | 1 | 0 | S | 9 | 1 | 0 | S | 9 | 1 | 0 | S |
| 10 | 1 | 0 | S | 10 | 1 | 0 | S | 10 | 1 | 1 | S |
| 11 | 1 | 0 | S | 11 | 1 | 0 | S | 11 | 1 | 1 | S |
| 12 | 0 | 0 | S | 12 | 0 | 0 | S | 12 | 0 | 0 | S |
| 13 | 1 | 0 | S | 13 | 1 | 0 | S | 13 | 1 | 0 | S |
| 10 | <u> </u> | | 1 | | · · | | 1 | | · · | Ū | 3 |
| | Е | G | F | | Е | Н | F | | Е | | S |
| - 1 | | | S | 1 | | | S | -1 | 0 | | S |
| 1 | 0 | 0 | | 1 | 0 | 0 | | 1 | | 0 | |
| 2 | 1 | 0 | S | 2 | 1 | 0 | S | 2 | 1 | 0 | S |
| 3 | 0 | 1 | S | 3 | 0 | 0 | S | 3 | 0 | 0 | S |
| 4 | 1 | 0 | S | 4 | 1 | 1 | P | 4 | 1 | 1 | P |
| 5 | 0 | 0 | S | 5 | 0 | 0 | S | 5 | 0 | 0 | S |
| 6 | 0 | 0 | S | 6 | 0 | 1 | S | 6 | 0 | 1 | S |
| 7 | 0 | 0 | S | 7 | 0 | 0 | S | 7 | 0 | 1 | S |
| 8 | 0 | 0 | S | 8 | 0 | 1 | S | 8 | 0 | 1 | S |
| 9 | 0 | 0 | S | 9 | 0 | 1 | S | 9 | 0 | 1 | S |
| 10 | 0 | 1 | S | 10 | 0 | 0 | S | 10 | 0 | 0 | S |
| 11 | 0 | 1 | S | 11 | 0 | 0 | S | 11 | 0 | 0 | S |
| 12 | 0 | 0 | S | 12 | 0 | 0 | S | 12 | 0 | 0 | S |
| 13 | 0 | 0 | S | 13 | 0 | 0 | S | 13 | 0 | 0 | S |
| | - | | 0 | | | | 1 | | | | 1 |
| | S | J | F | | G | Н | F | | G | 1 | F |
| - 1 | | | | 1 | | | | - 1 | | - | |
| 1 | 0 | 0 | S | 1 | 0 | 0 | S | 1 | 0 | 0 | S |
| 2 | 0 | 0 | S | 2 | 0 | 0 | S | 2 | 0 | 0 | S |
| 3 | 1 | 0 | S | 3 | 1 | 0 | S | 3 | 1 | 0 | S |
| 4 | 0 | 0 | S | 4 | 0 | 1 | S | 4 | 0 | 1 | S |
| 5 | 0 | 1 | S | 5 | 0 | 0 | S | 5 | 0 | 0 | S |
| 6 | 0 | 0 | S | 6 | 0 | 1 | S | 6 | 0 | 1 | S |
| 7 | 0 | 0 | S | 7 | 0 | 0 | S | 7 | 0 | 1 | S |
| 8 | 0 | 1 | S | 8 | 0 | 1 | s | 8 | 0 | 1 | S |
| 9 | 0 | 1 | S | 9 | 0 | 1 | S | 9 | 0 | 1 | S |
| 10 | 0 | 0 | S | 10 | 1 | 0 | S | 10 | 1 | 0 | S |
| 11 | 0 | 0 | S | 11 | 1 | 0 | S | 11 | 1 | 0 | S |
| 12 | 0 | 0 | S | 12 | 0 | 0 | S | 12 | 0 | 0 | S |
| 13 | 0 | 0 | S | 13 | 0 | 0 | S | 13 | 0 | 0 | S |
| | | | 0 | , i | | | 0 | | | | 0 |
| | - | | · | | | - | | | | | |
| | , 1 | i | | | Б | | Г | | _ | _ | |
| | A | Н | F | - | В | G | F | | С | G | F |
| 1 | 1 | 0 | S | 1 | 1 | 0 | S | 1 | 1 | 0 | S |
| 2 | 1 | 0 | S | 2 | 0 | 0 | S | 2 | 0 | 0 | S |
| 3 | 1 | 0 | S | 3 | 0 | 1 | S | 3 | 0 | 1 | S |
| 4 | 0 | 1 | S | 4 | 0 | 0 | S | 4 | 1 | 0 | S |
| 5 | 0 | 0 | S | 5 | 0 | 0 | S | 5 | 1 | 0 | S |
| 6 | 0 | 1 | S | 6 | 0 | 0 | S | 6 | 1 | 0 | S |
| 7 | 1 | 0 | S | 7 | 0 | 0 | S | 7 | 1 | 0 | S |
| 8 | 0 | 1 | S | 8 | 0 | 0 | S | 8 | 1 | 0 | S |
| 9 | 0 | 1 | s | 9 | 0 | 0 | S | 9 | 1 | 0 | S |
| 10 | 0 | 0 | S | 10 | 0 | 1 | S | 10 | 0 | 1 | S |
| | | 0 | S | 11 | 0 | 1 | S | 11 | 0 | 1 | s |
| | | - | | | | | S | | | | S |
| 11 | 1 | Π | ς | 12 | | | | L 1/ | | 1 11 | I 5 |
| 11 12 | 1 | 0 | S | 12 13 | 0 | 0 | | 12 13 | 0 0 | 0 | |
| 11 | | 0 | S | 12 13 | 0 | 0 | S | 13 | 0 | 0 | S |
| 11 12 | 1 | | | | | | | | | | |

| | D | Н | F | | Ε | J | F | | G | J | F |
|----|---|---|---|-------------|---|---|---|----|---|---|---|
| 1 | 0 | 0 | S | 1 | 0 | 0 | S | 1 | 0 | 0 | S |
| 2 | 1 | 0 | S | 2 | 1 | 0 | S | 2 | 0 | 0 | S |
| 3 | 1 | 0 | S | 3 | 0 | 0 | S | 3 | 1 | 0 | S |
| 4 | 0 | 1 | S | 4 | 1 | 0 | S | 4 | 0 | 0 | S |
| 5 | 1 | 0 | S | 5 | 0 | 1 | S | 5 | 0 | 1 | S |
| 6 | 0 | 1 | S | 6 | 0 | 0 | S | 6 | 0 | 0 | S |
| 7 | 1 | 0 | S | 7 | 0 | 0 | S | 7 | 0 | 0 | S |
| 8 | 0 | 1 | S | 8 | 0 | 1 | S | 8 | 0 | 1 | S |
| 9 | 1 | 1 | Р | 9 | 0 | 1 | S | 9 | 0 | 1 | S |
| 10 | 1 | 0 | S | 10 | 0 | 0 | S | 10 | 1 | 0 | S |
| 11 | 1 | 0 | S | 11 | 0 | 0 | S | 11 | 1 | 0 | S |
| 12 | 0 | 0 | S | 12 | 0 | 0 | S | 12 | 0 | 0 | S |
| 13 | 1 | 0 | S | 13 | 0 | 0 | S | 13 | 0 | 0 | S |
| | | | 1 | | | | 0 | | | | 0 |
| | | | | | С | D | F | | | | |
| | | | | 1 | 1 | 0 | s | | | | |
| | | | | | | | | | | | |

| | С | D | F |
|----|---|---|---|
| 1 | 1 | 0 | S |
| 2 | 0 | 1 | S |
| 3 | 0 | 1 | S |
| 4 | 1 | 0 | S |
| 5 | 1 | 1 | Р |
| 6 | 1 | 0 | S |
| 7 | 1 | 1 | S |
| 8 | 1 | 0 | S |
| 9 | 1 | 1 | Р |
| 10 | 0 | 1 | S |
| 11 | 0 | 1 | S |
| 12 | 0 | 0 | S |
| 13 | 0 | 1 | S |
| | | | 2 |

Hasil Iterasi Ke 2

| | Α | С | F | | Α | D | F | | Α | G | F | | С | 1 | F |
|----|---|---|---|----|---|---|---|----|---|---|---|----|---|---|---|
| 1 | 1 | 1 | Р | 1 | 1 | 0 | S | 1 | 1 | 0 | S | 1 | 1 | 0 | S |
| 2 | 1 | 0 | S | 2 | 1 | 1 | Р | 2 | 1 | 0 | S | 2 | 0 | 0 | S |
| 3 | 1 | 0 | S | 3 | 1 | 1 | Р | 3 | 1 | 1 | Р | 3 | 0 | 0 | S |
| 4 | 0 | 1 | S | 4 | 0 | 0 | S | 4 | 0 | 0 | S | 4 | 1 | 1 | Р |
| 5 | 0 | 1 | S | 5 | 0 | 1 | S | 5 | 0 | 0 | S | 5 | 1 | 0 | S |
| 6 | 0 | 1 | S | 6 | 0 | 0 | S | 6 | 0 | 0 | S | 6 | 1 | 1 | Р |
| 7 | 1 | 1 | Р | 7 | 1 | 1 | Р | 7 | 1 | 0 | S | 7 | 1 | 1 | Р |
| 8 | 0 | 1 | S | 8 | 0 | 0 | S | 8 | 0 | 0 | S | 8 | 1 | 1 | Р |
| 9 | 0 | 1 | S | 9 | 0 | 1 | S | 9 | 0 | 0 | S | 9 | 1 | 1 | Р |
| 10 | 0 | 0 | S | 10 | 0 | 1 | S | 10 | 0 | 1 | S | 10 | 0 | 0 | S |
| 11 | 1 | 0 | S | 11 | 1 | 1 | Р | 11 | 1 | 1 | Р | 11 | 0 | 0 | S |
| 12 | 1 | 0 | S | 12 | 1 | 0 | S | 12 | 1 | 0 | S | 12 | 0 | 0 | S |
| 13 | 1 | 0 | s | 13 | 1 | 1 | Р | 13 | 1 | 0 | s | 13 | 0 | 0 | S |
| | | | 2 | | | | 5 | | | | 2 | | | | 5 |

| | С | J | F | | D | - 1 | F | | С | Н | F |
|--|--|---|---------------------------------------|----|---|-----|---|----|---|---|---|
| - | | | | 1 | | J | | - | | | |
| 1 | 1 | 0 | S | | 0 | 0 | S | 1 | 1 | 0 | S |
| 2 | 0 | 0 | S | 2 | 1 | 0 | S | 2 | 0 | 0 | S |
| 3 | 0 | 0 | S | 3 | 1 | 0 | S | 3 | 0 | 0 | S |
| 4 | 1 | 0 | S | 4 | 0 | 0 | S | 4 | 1 | 1 | Р |
| 5 | 1 | 1 | Р | 5 | 1 | 1 | Р | 5 | 1 | 0 | S |
| 6 | 1 | 0 | S | 6 | 0 | 0 | S | 6 | 1 | 1 | Р |
| 7 | 1 | 0 | S | 7 | 1 | 0 | S | 7 | 1 | 0 | S |
| 8 | 1 | 1 | Р | 8 | 0 | 1 | S | 8 | 1 | 1 | Р |
| 9 | 1 | 1 | Р | 9 | 1 | 1 | Р | 9 | 1 | 1 | Р |
| 10 | 0 | 0 | S | 10 | 1 | 0 | S | 10 | 0 | 0 | S |
| 11 | 0 | 0 | S | 11 | 1 | 0 | S | 11 | 0 | 0 | S |
| 12 | 0 | 0 | S | 12 | 0 | 0 | S | 12 | 0 | 0 | S |
| 13 | 0 | 0 | S | 13 | 1 | 0 | S | 13 | 0 | 0 | S |
| | | | 3 | | | | 2 | | | | 2 |
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| | l r | l n | F | | | | | | | | |
| 1 | C 1 | D n | F | | | | | | | | |
| 1 2 | 1 | 0 | S | | | | | | | | |
| 2 | 1 0 | 0 1 | S | | | | | | | | |
| 2 | 1 0 0 | 0 1 1 | S S S | | | | | | | | |
| 2 3 4 | 1 0 0 | 0 1 1 0 | S S S | | | | | | | | |
| 2 3 4 5 | 1 0 0 1 | 0 1 1 0 | S S S | | | | | | | | |
| 2 3 4 5 | 1 0 0 1 1 | 0 1 1 0 1 0 | S S S P | | | | | | | | |
| 2 3 4 5 6 7 | 1 0 0 1 1 1 | 0 1 1 0 1 0 | S S S P S | | | | | | | | |
| 2 3 4 5 6 7 | 1 0 0 1 1 1 1 | 0 1 1 0 1 0 1 | S S S P P S S | | | | | | | | |
| 2 3 4 5 6 7 8 | 1 0 0 1 1 1 1 1 1 | 0 1 1 0 1 0 1 0 | S S S P S S | | | | | | | | |
| 2 3 4 5 6 7 8 9 | 1 0 0 1 1 1 1 1 1 1 | 0 1 1 0 1 0 1 0 | S S S S S S S S S S S S S S S S S S S | | | | | | | | |
| 2 3 4 5 6 7 8 9 10 | 1 0 0 1 1 1 1 1 1 1 0 | 0 1 1 0 1 0 1 0 1 1 0 | S S S S S S S S S S S S S S S S S S S | | | | | | | | |
| 2 3 4 5 6 7 8 9 10 11 | 1 0 0 1 1 1 1 1 1 1 0 0 | 0 1 1 0 1 0 1 0 1 1 0 | S S S S S S S S S S S | | | | | | | | |
| 2 3 4 5 6 7 8 9 10 | 1 0 0 1 1 1 1 1 1 1 0 | 0 1 1 0 1 0 1 0 1 1 0 | S S S S S S S S S S S S S S S S S S S | | | | | | | | |

| | Н | J | F | | I | J | F | | D | | F | | Н | | F |
|----|---|---|---|----|---|---|---|----|---|---|----|----|---|---|---|
| 1 | 0 | 0 | S | 1 | 0 | 0 | s | 1 | 0 | 0 | s | 1 | 0 | 0 | S |
| 2 | 0 | 0 | S | 2 | 0 | 0 | s | 2 | 1 | 0 | s | 2 | 0 | 0 | S |
| 3 | 0 | 0 | S | 3 | 0 | 0 | ß | 3 | 1 | 0 | ß | 3 | 0 | 0 | S |
| 4 | 1 | 0 | S | 4 | 1 | 0 | ທ | 4 | 0 | 1 | ທ | 4 | 1 | 1 | Р |
| 5 | 0 | 1 | S | 5 | 0 | 1 | ß | 5 | 1 | 0 | ß | 5 | 0 | 0 | S |
| 6 | 1 | 0 | S | 6 | 1 | 0 | ທ | 6 | 0 | 1 | ທ | 6 | 1 | 1 | S |
| 7 | 0 | 0 | S | 7 | 1 | 0 | Ø | 7 | 1 | 1 | P. | 7 | 0 | 1 | S |
| 8 | 1 | 1 | Р | 8 | 1 | 1 | Ρ | 8 | 0 | 1 | ß | 8 | 1 | 1 | Р |
| 9 | 1 | 1 | Р | 9 | 1 | 1 | P | 9 | 1 | 1 | P. | 9 | 1 | 1 | Р |
| 10 | 0 | 0 | S | 10 | 0 | 0 | ß | 10 | 1 | 0 | ß | 10 | 0 | 0 | S |
| 11 | 0 | 0 | S | 11 | 0 | 0 | S | 11 | 1 | 0 | S | 11 | 0 | 0 | S |
| 12 | 0 | 0 | S | 12 | 0 | 0 | ß | 12 | 0 | 0 | ß | 12 | 0 | 0 | S |
| 13 | 0 | 0 | S | 13 | 0 | 0 | ທ | 13 | 1 | 0 | ທ | 13 | 0 | 0 | S |
| | | | 2 | | | | 2 | | | | 2 | | | | 3 |

Mencari Iterasi Ke 3

| | Α | С | D | | | Α | С | G | | | Α | С | 1 | |
|---|---|--|--|--|--|--|---|---|--|---|---|--|--|--|
| 1 | 1 | 1 | 0 | S | 1 | 1 | 1 | 0 | S | 1 | 1 | 1 | 0 | S |
| 2 | 1 | 0 | 1 | S | 2 | 1 | 0 | 0 | S | 2 | 1 | 0 | 0 | S |
| 3 | 1 | 0 | 1 | S | 3 | 1 | 0 | 1 | S | 3 | 1 | 0 | 0 | S |
| | | | | | | | | 0 | | | 0 | | | S |
| 4 | 0 | 1 | 0 | S | 4 | 0 | 1 | | S | 4 | | 1 | 1 | |
| 5 | 0 | 1 | 1 | S | 5 | 0 | 1 | 0 | S | 5 | 0 | 1 | 0 | S |
| 6 | 0 | 1 | 0 | S | 6 | 0 | 1 | 0 | S | 6 | 0 | 1 | 1 | S |
| 7 | 1 | 1 | 1 | Р | 7 | 1 | 1 | 0 | S | 7 | 1 | 1 | 1 | Р |
| 8 | 0 | 1 | 0 | S | 8 | 0 | 1 | 0 | S | 8 | 0 | 1 | 1 | S |
| 9 | 0 | 1 | 1 | S | 9 | 0 | 1 | 0 | S | 9 | 0 | 1 | 1 | S |
| 10 | 0 | 0 | 1 | S | 10 | 0 | 0 | 1 | S | 10 | 0 | 0 | 0 | S |
| 11 | 1 | 0 | 1 | S | 11 | 1 | 0 | 1 | S | 11 | 1 | 0 | 0 | S |
| 12 | 1 | 0 | Ö | S | 12 | 1 | 0 | 0 | S | 12 | 1 | 0 | Ö | S |
| | | | | | | | | | | | | | | |
| 13 | 1 | 0 | 1 | S | 13 | 1 | 0 | 0 | S | 13 | 1 | 0 | 0 | S |
| | | | | 1 | | | | | 0 | | | | | 1 |
| | Α | Н | J | | | Α | D | G | | | Α | D | 1 | |
| 1 | 1 | | 0 | - | 1 | 1 | 0 | | - | 1 | 1 | | | S |
| | | 0 | | S | | | | 0 | S | | _ | 0 | 0 | |
| 2 | 1 | 0 | 0 | S | 2 | 1 | 1 | 0 | S | 2 | 1 | 1 | 0 | S |
| 3 | 1 | 0 | 0 | S | 3 | 1 | 1 | 1 | Р | 3 | 1 | 1 | 0 | S |
| 4 | 0 | 1 | 0 | S | 4 | 0 | 0 | 0 | S | 4 | 0 | 0 | 1 | S |
| 5 | 0 | 0 | 1 | S | 5 | 0 | 1 | 0 | S | 5 | 0 | 1 | 0 | S |
| 6 | 0 | 1 | 0 | S | 6 | 0 | 0 | 0 | S | 6 | 0 | 0 | 1 | S |
| 7 | 1 | 0 | 0 | S | 7 | 1 | 1 | 0 | S | 7 | 1 | 1 | 1 | Р |
| 8 | 0 | 1 | 1 | S | 8 | 0 | 0 | 0 | S | 8 | 0 | 0 | 1 | S |
| 9 | 0 | 1 | 1 | S | 9 | 0 | 1 | 0 | S | 9 | 0 | 1 | 1 | S |
| 10 | 0 | 0 | 0 | S | 10 | 0 | 1 | 1 | S | 10 | 0 | 1 | 0 | S |
| | | | | | | 1 | 1 | 1 | | | | | | |
| 11 | 1 | 0 | 0 | S | 11 | | _ | | Р | 11 | 1 | 1 | 0 | S |
| 12 | 1 | 0 | 0 | S | 12 | 1 | 0 | 0 | S | 12 | 1 | 0 | 0 | S |
| 13 | 1 | 0 | 0 | S | 13 | 1 | 1 1 | 0 | S | 13 | 1 | 1 | 0 | S |
| | | | | 0 | | | · | | 2 | | | | | 1 |
| | Α | С | J | | | A | D | J | 2 | | С | Н | G | • |
| 1 | 1 | - 1 | 0 | S | 1 | A 1 | D 0 | J O | 2 S | 1 | C 1 | 0 | 0 | S |
| 2 | 1 | 1 0 | 0 | S | 2 | 1 | D 0 1 | J 0 | 2 S S | 1 2 | C 1 | 0 | 0 | S |
| | 1 | - 1 | 0 | S | | 1 | D 0 | J O | 2 S | 1 | C 1 | 0 | 0 | s |
| 2 | 1 | 1 0 | 0 | S | 2 | 1 | D 0 1 | J 0 | 2 S S | 1 2 | C 1 | 0 | 0 | S |
| 2 3 | 1 1 1 | 1 0 0 | 0 0 0 | S S S | 2 | 1 1 1 | D 0 1 1 1 | J 0 0 | 2 S S S | 1 2 3 | C 1 0 | 0 0 0 | 0 0 1 | S S S |
| 2 3 4 5 | 1 1 1 0 | 1 0 0 1 | 0 0 0 0 | S S S S | 2 3 4 5 | 1 1 1 0 | D 0 1 1 0 1 | J 0 0 0 | 2 S S S S | 1 2 3 4 5 | C 1 0 0 1 1 1 | 0 0 0 1 | 0 0 1 0 | S S S |
| 2 3 4 5 6 | 1 1 1 0 0 | 1 0 0 1 1 | 0 0 0 0 1 | S S S S S S | 2 3 4 5 6 | 1 1 1 0 0 | D 0 1 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | J 0 0 0 0 | 2 S S S S | 1 2 3 4 5 6 | C 1 0 0 1 1 1 1 1 | 0 0 0 1 0 | 0 0 1 0 0 | S S S S |
| 2 3 4 5 6 7 | 1 1 1 0 0 | 1 0 0 1 1 1 | 0 0 0 0 1 0 | \$ \$ \$ \$ \$ \$ \$ \$ | 2 3 4 5 6 7 | 1 1 1 0 0 | D 0 1 1 0 1 1 0 1 | J 0 0 0 0 1 | S S S S S S S | 1 2 3 4 5 6 | C 1 0 0 1 1 1 1 1 1 | 0 0 0 1 0 1 | 0 0 1 0 0 0 | \$ \$ \$ \$ \$ \$ |
| 2 3 4 5 6 7 | 1 1 1 0 0 0 1 | 1 0 0 1 1 1 1 | 0 0 0 1 0 | 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 2 3 4 5 6 7 | 1 1 0 0 0 1 | D 0 1 1 0 1 0 0 1 | J 0 0 0 0 1 | S S S S S S S | 1 2 3 4 5 6 7 | C 1 0 0 1 1 1 1 1 1 1 1 | 0 0 0 1 0 1 | 0 0 1 0 0 0 | \$ \$ \$ \$ \$ \$ |
| 2 3 4 5 6 7 8 | 1 1 1 0 0 0 0 1 | 1 0 0 1 1 1 1 1 | 0 0 0 0 1 0 0 | 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 2 3 4 5 6 7 8 | 1 1 0 0 0 1 0 | D 0 1 1 0 1 0 1 1 0 1 1 | U 0 0 0 0 1 0 0 1 1 1 | S S S S S S S S S | 1 2 3 4 5 6 7 8 | C 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 0 0 1 0 1 0 | 0 0 1 0 0 0 0 | S S S S S S S S S S S S |
| 2 3 4 5 6 7 8 9 | 1 1 1 0 0 0 1 0 0 | 1 0 0 1 1 1 1 1 1 1 | 0 0 0 0 1 0 0 1 1 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 2 3 4 5 6 7 8 9 | 1 1 0 0 0 1 0 0 | D 0 1 1 0 1 0 1 1 1 1 | J 0 0 0 0 1 0 0 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 1 2 3 4 5 6 7 8 9 10 | C 1 0 0 1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 | 0 0 0 1 0 1 0 1 0 | 0 0 1 0 0 0 0 0 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ |
| 2 3 4 5 6 7 8 9 10 | 1 1 0 0 0 1 0 0 0 | 1 0 0 1 1 1 1 1 1 0 | 0 0 0 0 1 0 0 1 1 | S S S S S S S S S S S S | 2 3 4 5 6 7 8 9 10 | 1 1 0 0 0 1 0 0 0 | D 0 1 1 0 1 0 1 1 1 1 1 | J 0 0 0 0 1 0 0 | S S S S S S S S S | 1 2 3 4 5 6 7 8 9 10 11 | C 1 0 0 1 1 1 1 1 1 1 1 0 0 0 | 0 0 0 1 0 1 0 1 0 1 | 0 0 1 0 0 0 0 0 0 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ |
| 2 3 4 5 6 7 8 9 10 11 | 1 1 1 0 0 0 1 0 0 0 1 0 | 1 0 0 1 1 1 1 1 1 1 0 0 | 0 0 0 1 0 0 1 1 1 0 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 2 3 4 5 6 7 8 9 10 11 | 1 1 0 0 0 1 0 0 | D 0 1 1 0 1 0 1 1 1 1 | J 0 0 0 0 1 0 0 0 | S S S S S S S S S S S S S S S S S S S | 1 2 3 4 5 6 7 8 9 10 11 12 | C 1 0 0 1 1 1 1 1 1 1 0 0 0 0 0 | 0 0 0 1 0 1 0 1 1 0 | 0 0 1 0 0 0 0 0 0 | |
| 2 3 4 5 6 7 8 9 10 | 1 1 0 0 0 1 0 0 0 | 1 0 0 1 1 1 1 1 1 0 | 0 0 0 0 1 0 0 1 1 | | 2 3 4 5 6 7 8 9 10 | 1 1 0 0 0 1 0 0 0 | D 0 1 1 0 1 0 1 1 1 1 1 | J 0 0 0 0 1 0 0 | | 1 2 3 4 5 6 7 8 9 10 11 | C 1 0 0 1 1 1 1 1 1 1 1 0 0 0 | 0 0 0 1 0 1 0 1 0 1 | 0 0 1 0 0 0 0 0 0 | S S S S S S S S S S S S S S S S S S S |
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| 2 | 1 | 0 | 0 | S | 2 | 0 | 0 | 0 | S | 2 | 0 | 0 | 1 | S |
| 3 | 1 | 1 | 0 | S | 3 | 0 | 0 | 0 | s | 3 | 0 | ō | 1 | S |
| 4 | 0 | 0 | 1 | S | 4 | 1 | 1 | 0 | s | 4 | 1 | 1 | 0 | S |
| 5 | 0 | 0 | 0 | S | 5 | | 0 | 1 | S | 5 | | 0 | 1 | S |
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| 6 | 0 | 0 | 1 | S | 6 | 1 | 1 | 0 | S | 6 | 1 | 1 | 0 | 9 |
| 7 | 1 | 0 | 0 | S | 7 | 1 | 1 | 0 | S | 7 | 1 | 1 | 1 | 9 |
| 8 | 0 | 0 | 1 | S | 8 | 1 | 1 | 1 | S | 8 | 1 | 1 | 0 | 9 |
| 9 | 0 | 0 | 1 | S | 9 | 1 | 1 | 1 | S | 9 | 1 | 1 | 1 | 9 |
| 10 | 0 | 1 | 0 | S | 10 | 0 | 0 | 0 | S | 10 | 0 | 0 | 1 | 9 |
| 11 | 1 | 1 | 0 | S | 11 | 0 | 0 | 0 | S | 11 | 0 | 0 | 1 | 9 |
| 12 | 1 | 0 | 0 | S | 12 | 0 | 0 | 0 | S | 12 | 0 | 0 | 0 | 9 |
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| 1 | 1 | 0 | 0 | S | 1 | 0 | 0 | 0 | S | 1 | 0 | 0 | 0 | 9 |
| 2 | 0 | 0 | 0 | S | 2 | 1 | 0 | 0 | S | 2 | 0 | 0 | 0 | 9 |
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| 4 | 1 | 1 | 0 | S | 4 | 0 | 1 | 0 | S | 4 | 1 | 1 | Ö | 9 |
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| 6 | 1 | 1 | 0 | S | 6 | 0 | 1 | 0 | S | 6 | 1 | 1 | 0 | 9 |
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| 9 | 1 | 1 | 1 | | 9 | 1 | 1 | 1 | Р | 9 | 1 | 1 | 0 | 9 |
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| 11 | 0 | 0 | 0 | S | 11 | 1 | 0 | 0 | S | 11 | 0 | 0 | 1 | 9 |
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| 12 13 1 1 2 3 4 5 6 7 8 9 10 11 12 13 | C 1 0 0 1 1 1 1 1 1 1 0 0 0 0 0 1 1 0 0 1 1 0 1 1 | 0 0 0 0 1 0 1 1 1 1 1 0 0 0 0 | D D D D D D D D D D D D D D D D D D D | 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 13 1 2 3 4 5 6 7 8 9 10 11 12 13 | 1 0 0 0 1 1 1 0 0 0 0 1 1 0 0 1 1 0 1 1 | 0 0 0 0 0 1 0 0 0 1 1 0 0 0 0 0 1 1 0 | D D O O O O O O O O O O O O O O O O O O | S S S S S S S S S S S S S S S S S S S | 13 1 2 3 4 5 6 6 7 8 9 10 11 12 | H 0 0 0 0 1 1 0 0 1 1 0 0 0 0 0 0 0 0 0 | 0 0 0 0 1 1 1 1 1 0 0 | 0 0 0 0 0 1 0 0 1 1 0 0 | S S S S S S S S S S |
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Hasil Iterasi Ke 3

| | Α | D | G | | | С | ı | J | | 1 | | С | | D | |
|----|---|---|---|---|----|-----|-----|-----|---|---|----|-----|-----|---|---|
| 1 | 1 | 0 | 0 | S | 1 | 1 | 0 | 0 | S | | 1 | 1 | 0 | 0 | S |
| 2 | 1 | 1 | 0 | S | 2 | 0 | 0 | 0 | S | | 2 | 0 | 0 | 1 | S |
| 3 | 1 | 1 | 1 | Р | 3 | 0 | 0 | 0 | S | | 3 | 0 | 0 | 1 | S |
| 4 | 0 | 0 | 0 | S | 4 | 1 | 1 | 0 | S | | 4 | 1 | 1 | 0 | S |
| 5 | 0 | 1 | 0 | S | 5 | 1 | 0 | - 1 | S | | 5 | 1 | 0 | 1 | S |
| 6 | 0 | 0 | 0 | S | 6 | - 1 | - 1 | 0 | S | | 6 | - 1 | - 1 | 0 | S |
| 7 | 1 | 1 | 0 | S | 7 | 1 | 1 | 0 | S | | 7 | 1 | 1 | 1 | Р |
| 8 | 0 | 0 | 0 | S | 8 | 1 | 1 | 1 | Р | | 8 | 1 | 1 | 0 | S |
| 9 | 0 | 1 | 0 | S | 9 | 1 | 1 | 1 | Р | | 9 | 1 | 1 | 1 | Р |
| 10 | 0 | 1 | 1 | S | 10 | 0 | 0 | 0 | S | | 10 | 0 | 0 | 1 | S |
| 11 | 1 | 1 | 1 | Р | 11 | 0 | 0 | 0 | S | | 11 | 0 | 0 | 1 | S |
| 12 | 1 | 0 | 0 | S | 12 | 0 | 0 | 0 | S | | 12 | 0 | 0 | 0 | S |
| 13 | 1 | 1 | 0 | S | 13 | 0 | 0 | 0 | S | | 13 | 0 | 0 | 1 | S |
| | | | | 2 | | | | | 2 | | | | | | 2 |
| | | | | | | | | | | | | | | | |
| | С | J | D | | | Н | - 1 | J | | | | | | | |
| 1 | 1 | 0 | 0 | S | 1 | 0 | 0 | 0 | S | | | | | | |
| 2 | 0 | 0 | 1 | S | 2 | 0 | 0 | 0 | S | | | | | | |
| 3 | 0 | 0 | 1 | S | 3 | 0 | 0 | 0 | S | | | | | | |
| 4 | 1 | 0 | 0 | S | 4 | 1 | 1 | 0 | S | | | | | | |
| 5 | 1 | 1 | 1 | Р | 5 | 0 | 0 | 1 | S | | | | | | |
| 6 | 1 | 0 | 0 | S | 6 | 1 | 1 | 0 | S | | | | | | |
| 7 | 1 | 0 | 1 | S | 7 | 0 | 1 | 0 | S | | | | | | |
| 8 | 1 | 1 | 0 | S | 8 | 1 | 1 | 1 | Р | | | | | | |
| 9 | 1 | 1 | 1 | Р | 9 | 1 | 1 | 1 | Р | | | | | | |
| 10 | 0 | 0 | 1 | S | 10 | 0 | 0 | 0 | S | | | | | | |
| 11 | 0 | 0 | 1 | S | 11 | 0 | 0 | 0 | S | | | | | | |
| 12 | 0 | 0 | 0 | S | 12 | 0 | 0 | 0 | S | | | | | | |
| 13 | 0 | 0 | 1 | S | 13 | 0 | 0 | 0 | S | | | | | | |
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| | С | I | Н | | | С | Н | J | |
|----|---|---|---|---|----|---|---|---|---|
| 1 | 1 | 0 | 0 | S | 1 | 1 | 0 | 0 | S |
| 2 | 0 | 0 | 0 | S | 2 | 0 | 0 | 0 | S |
| 3 | 0 | 0 | 0 | S | 3 | 0 | 0 | 0 | S |
| 4 | 1 | 1 | 1 | S | 4 | 1 | 1 | 0 | S |
| 5 | 1 | 0 | 0 | S | 5 | 1 | 0 | 1 | S |
| 6 | 1 | 1 | 1 | S | 6 | 1 | 1 | 0 | S |
| 7 | 1 | 1 | 0 | S | 7 | 1 | 0 | 0 | S |
| 8 | 1 | 1 | 1 | Р | 8 | 1 | 1 | 1 | Р |
| 9 | 1 | 1 | 1 | Ρ | 9 | 1 | 1 | 1 | Р |
| 10 | 0 | 0 | 0 | S | 10 | 0 | 0 | 0 | S |
| 11 | 0 | 0 | 0 | S | 11 | 0 | 0 | 0 | S |
| 12 | 0 | 0 | 0 | S | 12 | 0 | 0 | 0 | S |
| 13 | 0 | 0 | 0 | S | 13 | 0 | 0 | 0 | S |
| | | | | 2 | | | | | 2 |

Rule Asosiasi:

| Aturan Asosiatif | Confidence | | | | | |
|------------------|----------------|--|--|--|--|--|
| {A,D},=G | 2/5=*100%=40% | | | | | |
| {A,G},=D | 2/2=*100%=100% | | | | | |
| {G,D},=A | 2/3=*100%=66% | | | | | |
| A={G,D} | 2/7=*100%=28% | | | | | |
| D={G,A} | 2/7=*100%=28% | | | | | |
| G={A,D} | 2/3=*100%=66% | | | | | |
| {C,I},=J | 2/5=*100%=40% | | | | | |
| {J,I},=C | 2/2=*100%=100% | | | | | |
| {C,J},=I | 2/3=*100%=66% | | | | | |
| C={J,I} | 2/7=*100%=28% | | | | | |
| J={C,I} | 2/3=*100%=66% | | | | | |
| I={C,I} | 2/5=*100%=40% | | | | | |
| {C,I},=D | 2/5=*100%=40% | | | | | |
| {C,D},=I | 2/2=*100%=100% | | | | | |
| {D,I},=C | 2/2=*100%=100% | | | | | |
| I={C,D} | 2/5=*100%=40% | | | | | |
| C={D,I} | 2/7=*100%=28% | | | | | |
| D={C,I} | 2/7=*100%=28% | | | | | |
| {C,J},=D | 2/3=*100%=66% | | | | | |
| {D,J},=C | 2/2=*100%=100% | | | | | |
| {C,D},=J | 2/2=*100%=100% | | | | | |
| C={D,I} | 2/7=*100%=28% | | | | | |
| D={C,J} | 2/7=*100%=28% | | | | | |
| J={C,D} | 2/3=*100%=66% | | | | | |
| {H,I},=J | 2/3=*100%=66% | | | | | |
| {J,I},=H | 2/2=*100%=100% | | | | | |
| {H,J},=I | 2/2=*100%=100% | | | | | |
| H={I,J} | 2/4=*100%=50% | | | | | |
| I={H,J} | 2/5=*100%=40% | | | | | |
| J={I,J} | 2/3=*100%=66% | | | | | |
| {C,H},=I | 2/2=*100%=100% | | | | | |
| {C,I},=H | 2/5=*100%=40% | | | | | |
| {I,H},=C | 2/3=*100%=66% | | | | | |
| С | 2/7=*100%=28% | | | | | |
| Н | 2/4=*100%=50% | | | | | |
| 1 | 2/5=*100%=40% | | | | | |
| {C,H},=J | 2/2=*100%=100% | | | | | |
| {J,H},=C | 2/2=*100%=100% | | | | | |
| {C,J},=H | 2/3=*100%=66% | | | | | |
| С | 2/7=*100%=28% | | | | | |
| Н | 2/4=*100%=50% | | | | | |