|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Yavuz Çiçek 211110024 MikroBilgisayar |  |  |  |  |  |
| **Doğruluk Tablosu 2** | | | | | |
| **İnput olarak alındı** | | | | | **Output** |
| **A** | **B** | **C** | **D** | **E** | **Q** |
| 0 | 0 | 0 | 0 | 0 | 1 |
| 0 | 0 | 0 | 0 | 1 | 1 |
| 0 | 0 | 0 | 1 | 0 | 1 |
| 0 | 0 | 0 | 1 | 1 | 1 |
| 0 | 0 | 1 | 0 | 0 | 1 |
| 0 | 0 | 1 | 0 | 1 | 0 |
| 0 | 0 | 1 | 1 | 0 | 1 |
| 0 | 0 | 1 | 1 | 1 | 0 |
| 0 | 1 | 0 | 0 | 0 | 0 |
| 0 | 1 | 0 | 0 | 1 | 1 |
| 0 | 1 | 0 | 1 | 0 | 0 |
| 0 | 1 | 0 | 1 | 1 | 1 |
| 0 | 1 | 1 | 0 | 0 | 0 |
| 0 | 1 | 1 | 0 | 1 | 1 |
| 0 | 1 | 1 | 1 | 0 | 0 |
| 0 | 1 | 1 | 1 | 1 | 1 |
| 1 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 1 | 0 |
| 1 | 0 | 0 | 1 | 0 | 0 |
| 1 | 0 | 0 | 1 | 1 | 0 |
| 1 | 0 | 1 | 0 | 0 | 0 |
| 1 | 0 | 1 | 0 | 1 | 0 |
| 1 | 0 | 1 | 1 | 0 | 0 |
| 1 | 0 | 1 | 1 | 1 | 0 |
| 1 | 1 | 0 | 0 | 0 | 0 |
| 1 | 1 | 0 | 0 | 1 | 0 |
| 1 | 1 | 0 | 1 | 0 | 0 |
| 1 | 1 | 0 | 1 | 1 | 1 |
| 1 | 1 | 1 | 0 | 0 | 0 |
| 1 | 1 | 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 |
| Q'nun 1 olduğu durumlar Karnaugh aktarıyoruz | | | | | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q** |  | Karnaugh Haritası(2⁵) | | | | | | | |
|  | CDE AB |  |  |  |  |  |  |  |  |
|  | OOO | OO1 | O11 | O1O | 11O | 111 | 1O1 | 1OO |
|  | OO | 1 | 1 | 1 | 1 | 1 |  |  | 1 |
|  | O1 |  | 1 | 1 |  |  | 1 | 1 |  |
|  | 11 |  |  | 1 |  |  | 1 | 1 |  |
|  | 1O |  |  |  |  |  |  |  |  |
|  |  | Q = F₁ + F₂ + F₃ + F₄ + F₅  Q=A'B'D'E' + A'B' + A'C'E + BCE + BC'DE  **Sadeleşmemiş Hali Q** = A'B'C'D'E' + A'B'C'D'E + A'B'C'DE' + A'B'C'DE + A'B'CD'E' + A'B'CDE' + A'BC'D'E + A'BC'DE + A'BCD'E + A'BCDE + ABC'DE + ABCD'E + ABCDE | | | | | | | |
|  | | | | | | | |
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|  |  |  | | | | | | | |

Diagram, schematic

Description automatically generated