**Megadott állapotokat bejáró sorrendi hálózat tervezése  
léptetőregiszterrel**

**Feladat:**

**Működési tábla:**

**n. állapot n+1. állapot**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S. | QD | QC | QB | QA | (n+1.) | QD | QC | QB | QA |  | Si | D | C | B | A |
| 0h. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1h. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2h. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3h. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4h. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5h. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6h. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7h. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8h. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9h. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ah. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bh. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ch. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dh. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Eh. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fh. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**SI bemenet vezérlőfüggvényének meghatározása:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **SI** |  | QB | |  |  |  |
|  | QA | |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  | QC |  |
|  |  |  |  |  | QD |
|  |  |  |  |  |  |

**A és bemenet vezérlőfüggvényének meghatározása:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| QD | QC | QB | QA | Dekódolt jel |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**A párhuzamos beíró bemenetek vezérlőfüggvényének meghatározása:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | D | C | B | A |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

|  |  |
| --- | --- |
| D | C |
|  |  |

|  |  |
| --- | --- |
| B | A |
|  |  |

**Kapcsolási rajz:**