2020

Endereço de memória

Dado = 540

**reg**

**no**

2040 **\*prox**

Endereço de memória do próximo elemento na pilha

**PILHA VAZIA**

**P**

**Topo: NULL**

**PILHA COM UM ELEMENTO**

**P**

**Topo: 1010**

1010

dado 99

prox null

**PILHA COM VÁRIOS ELEMENTOS**

5

35

54

98

**P**

**Topo: 1010**

1010 1020 1030 1040

dado 5 35 54 98

prox 1020 1030 1040 null

**PILHA COM VÁRIOS ELEMENTOS**

5

7

9

4

**P**

**Topo: 1010**

1010 1020 1030 1040

dado 5 7 9 4

prox 1020 1030 1040 NULL

FILA

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

F = -1

R = -1

Tam = 10

FILA

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A | B | C | D |  |  |  |  |  |  |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

F = -1

R = 3

Tam = 10

Base = -1

Topo = 3

Tam = 10

LIFO – last input, first output

|  |  |
| --- | --- |
| 5 |  |
| 4 |  |
| 3 |  |
| 2 |  |
| 1 |  |
| 0 |  |

|  |  |
| --- | --- |
| 5 |  |
| 4 | 7 |
| 3 | 6 |
| 2 | 5 |
| 1 | 4 |
| 0 | 3 |

IFSUL