



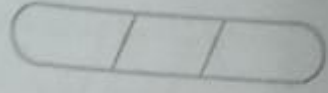
Tutoria - 04



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Questões

Questão 1)



1)

- Geração de Blocos

Fita 1: AMA ROS FIN

Fita 2: FAG MAF HOS

Fita 3: AFA AGA

- Ordenação dos ~~Blocos~~ Blocos

Fita 1: AAM ORS FIN

Fita 2: AFG AFM HOS

Fita 3: AAF AAG

- Intercalação (Saída)

Fita 4: AAAAAFFGM

Fita 5: AAAFGMORS

Fita 6: PHINOS

- Intercalação (Entrada)

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Questão 2)

Fita 1: AAAAAAAAAAFFFFGGHIIMMNOORSS

Fita 2: vazia

Fita 3: vazia

Fim: AAAAAAAAAAFFFFGGHIIMMNOORSS

2)

• Geração do Heap (P1)

11 | 36 | 53 → 95 | 56 | 53 → 36 | 53 | 95

↓
11

↓
36

81* | 53 | 95 → 53 | 81* | 95 → 91 | 81* | 95 →

↓
53

↓
91

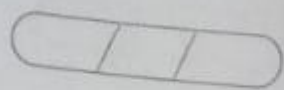
81* | 81* | 95 → 95 | 81* | 81* → 48 | 81* | 81*

↓
95

Blow 1: 11 36 53 91 95

• Geração do Heap (P2)

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48 | 81 | 8 → 8 | 48 | 81

↓
8

25 | 48 | 81 → 27 | 48 | 81 → 31 | 48 | 81

↓
25

↓
27

↓
31

16* | 48 | 81 → 48 | 16* | 81 → 21* | 16* | 81

↓
48

81 | 21* | 16* → 59* | 21* | 16*

↓
81

Block 1: 8 25 27 31 48 81

• Geração do heap (p3)

59 | 21 | 16 → 16 | 59 | 21 → 63 | 59 | 21

↓
16

21 | 63 | 59 → 72 | 63 | 59 → 59 | 72 | 63

↓
21

↓
59

78 | 72 | 63 \rightarrow 63 | 78 | 72 \rightarrow 14* | 78 | 72

\downarrow
63

72 | 14* | 78 \rightarrow 13* | 14* | 78 \rightarrow 78 | 13* | 14*

\downarrow

\downarrow

72

78

12* | 13* | 14*

Block 3: 16 21 39 63 72 78

• Geração do heap (P4)

12 | 13 | 14 \rightarrow 35 | 13 | 14 \rightarrow 13 | 35 | 14

\downarrow

\downarrow
13

12

33 | 35 | 14 \rightarrow 14 | 33 | 35 \rightarrow 42 | 33 | 35 \rightarrow

\downarrow

14

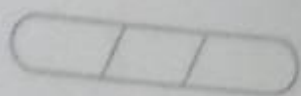
33 | 42 | 35 \rightarrow 35 | 42

\downarrow

\downarrow
35

33

Block 4: 12 13 14 33 35 42



• Blocos Gerados

Bloco 1: 11 36 53 91 95

Bloco 2: 8 25 27 31 48 81

Bloco 3: 16 21 59 63 72 78

Bloco 4: 12 13 14 33 35 42

• Filas

Fila 1: 11 36 33 91 95 - 8 25 27 31 48 81 - 16 21 59 63 72 78

Fila 2: 12 13 14 33 35 42

Fila 3: 11 12 13 14 33 35 36 53 42 91 95

Fila 4: 8 25 27 31 48 81 16 21 59 63 72 78

Fila 5: 8 11 12 13 14 25 27 31 33 35 36 42 48 53 81 91 95

Fila 6: 11 12 13 14 33 35 36 42 53 91 95

Fila 7: 16 21 59 63 72 78

Fila 8: 8 11 12 13 14 25 27 31 33 35 36 42 48 53 81 91 95

File 3:

8 11 12 13 14 16 21 25 27 31 33 35 36 42 48 53 59 63
71 78 81 91 95

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