**zu 1 a) SelectionSort**

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| index: | 0 | 1 | 2 | 3 | 4 | 5 |
| daten: | 15 | 13 | 14 | 18 | 17 | 11 |
| 1. äußerer Schleifendurchlauf | ↑max | ↑i |  |  |  | ↑marker |
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**zu 2 a) BubbleSort**

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| index: | 0 | 1 | 2 | 3 | 4 | 5 | vertauscht |
| daten: | 15 | 13 | 14 | 18 | 17 | 11 |  |
| 1. äußerer Schleifendurchlauf | ↑i |  |  |  |  |  | falsch |
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| Lösung zu 3a)index: | 0 | 1 | 2 | 3 | 4 | 5 | m |
| daten: | 15 | 13 | 14 | 18 | 17 | 11 |  |
| 1. äußerer Schleifendurchlauf |  | ↑i,j |  |  |  |  | 13 |
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**zu 3 a) InsertionSort**

**zu 4 a) MergeSort**

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| 1. Aufruf, Ebene 1 | ↑links |  | ↑mitte |  |  | ↑rechts |
| daten: |  |  |  |  |  |  |
| rek. Aufruf, Ebene 2 |  |  |  |  |  |  |
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| rek. Aufruf, Ebene 3 |  |  |  |  |  |  |
| daten: |  |  |  |  |  |  |
| rek. Aufruf, Ebene 4 |  |  |  |  |  |  |
| daten: |  |  |  |  |  |  |
| merge auf Ebene 3 |  |  |  |  |  |  |
| daten: |  |  |  |  |  |  |
| merge auf Ebene 2 |  |  |  |  |  |  |
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| merge auf Ebene 1 |  |  |  |  |  |  |

**merge auf Ebene 1 im Detail:**

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| 1. Schleife | ↑i |  |  |  |  |  |  | ↑i |  |  |  |  |  |
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