# Lsg Vorschlag ADS Ü04 A1 Maximilian Maag

#### Insertionsort

```
( 21785431 )
( 27185431 )
( 27854311 )
( 78543211 )
( 87543211 )
```

#### Mergesort

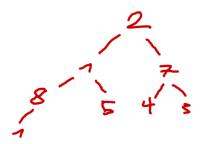
```
\begin{array}{c} 2\ 1\ 7\ 8\ 5\ 4\ 3\ 1 \\ 2\ 1\ 7\ 8\ -\ 5\ 4\ 3\ 1 \\ 2\ 1\ -\ 7\ 8\ -\ 5\ 4\ 3\ 1 \\ 2\ 1\ -\ 78\ -\ 5\ 4\ 3\ 1 \\ 2\ 1\ -\ 78\ -\ 5\ 4\ 3\ 1 \\ 8\ 7\ 2\ 1\ -\ 5\ 4\ 3\ 1 \\ 8\ 7\ 2\ 1\ -\ 5\ 4\ -\ 3\ 1 \\ 8\ 7\ 2\ 1\ -\ 5\ -\ 4\ -\ 3\ 1 \\ 8\ 7\ 5\ 4\ 2\ 1\ -\ 3\ 1 \\ 8\ 7\ 5\ 4\ 2\ 1\ -\ 3\ 1 \\ 8\ 7\ 5\ 4\ 2\ 1\ -\ 3\ 1 \\ 8\ 7\ 5\ 4\ 2\ 1\ -\ 3\ 1 \end{array}
```

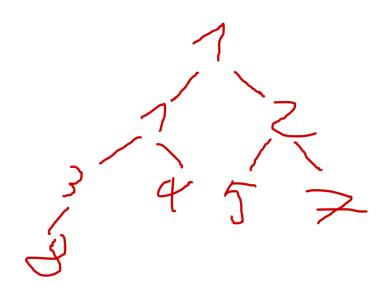
### Quicksort

```
 \begin{array}{c} (\ 21785431\ ) \\ (\ (211)(78543)\ ) \\ (\ (211)(543)(78)\ ) \\ (\ (211)(543)(87)\ ) \\ (\ 87543211\ ) \end{array}
```

## Heapsort

( 21785431 )





- ( 11234578 ) ( 12345781 ) ( 23457811 )

- ( 34578211 )
- (45783211)

( 57843211 )

(78543211)

( 87543211 )