

```
INITIALIZE_PAIRWISE(alignment)
```

```
seq01 <- alignment.seq01
```

```
seq02 <- alignment.seq02
```

```
seq01_length <- vypočti délku seq01
```

```
seq02_length <- vypočti délku seq02
```

```
score_matrix <- matice nul o rozměrech seq01_length + 1 a seq02_length + 1
```

```
direction_matrix <- matice nul o rozměrech seq01_length + 1 a seq02_length + 1
```

```
for i <- 2 to seq01_length + 1
```

```
    score_matrixi,1 <- ( i - 1 ) * alignment.gap
```

```
    direction_matrixi,1 <- alignment.delete_symbol
```

```
clear i
```

```
for i <- 2 to seq02_length + 1
```

```
    score_matrix1,i <- ( i - 1 ) * alignment.gap
```

```
    direction_matrix1,i <- alignment.insert_symbol
```

```
alignment.score_matrix <- score_matrix
```

```
alignment.direction_matrix <- direction_matrix
```