Benchmark for `predped`

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find_path

```
##       2.5%        50%      97.5%
## 0.02449583 0.02793002 0.03726626
```

```
##      2.5%       50%     97.5%
## 0.2639802 0.2700169 0.2805658
```

```
##        2.5%         50%       97.5%
## 0.008914322 0.009191990 0.012200946
```

```
##       2.5%        50%      97.5%
## 0.02039119 0.02340043 0.02572013
```

route.R

adjust_edges

Table 1: Benchmark for the adjust_edges function. Options were to check whether the precomputed edges passed through objects or not (reevaluate = TRUE or FALSE resp.). Additionally, benchmark times are given for the case where you only have few edges or many edges in the precomputed edges variable.

	reevaluate = TRUE		reevaluate = FALSE	
Few edges	6.5e-03	[6.2e-03,1.0e-02]	4.1e-03	[3.9e-03,7.5e-03]
Many edges	3.6e-02	[3.3e-02,6.7e-02]	6.3e-03	[6.1e-03,1.0e-02]

create_edges

Table 2: Benchmark for the create_edges function. Benchmark is computed for few and many possible edges (many_options = FALSE or TRUE resp.).

many_options = FALSE		many_options = TRUE	
2.3e-02	[2.0e-02,2.5e-02]	1.4e-01	[1.3e-01,1.9e-01]

create_nodes

Table 3: Benchmark for the create_nodes function. Benchmark is computed for few and many possible edges (many_options = FALSE or TRUE resp.).

many_options = FALSE	many_options = TRUE
1.1e-02 [1.1e-02,1.4e-02]	1.3e-02 [1.3e-02,1.7e-02]

evaluate_edges

Table 4: Benchmark for the evaluate_edges function. Benchmark is computed for few and many possible edges.

Few edges	Many edges
4.9e-03 [4.6e-03,9.2e-03]	2.3e-02 [2.1e-02,2.6e-02]

enlarge_objects

Table 5: Benchmark for the enlarge_objects function. Benchmark is computed for each of the possible shapes in predped.

Rectangle	Polygon	Circle
5.5e-04 [5.0e-04,6.8e-04]	3.1e-04 [2.9e-04,4.7e-04]	1.3e-04 [1.2e-04,3.0e-04]

prune_edges

Table 6: Benchmark for the prune_edges function. Benchmark is computed for 100 segments that are checked in this function.

2.5%	50%	95%
1.0e-03	1.1e-03	8.8e-03