```
 1: function CALCULATE_FACTOR(solution)
 2:     factor := 1
 3:
 4:     for all ied in keyset(solution) do
 5:         free_space := get_total_space(ied)
 6:
 7:         for all fb in include_generated_Fbs(solution[ied]) do
 8:             free_space -= get_size(fb)
 9:         end for
10:
11:         percentage := free_space/ get_total_space(ied)
12:
13:         if percentage < factor then
14:             factor := percentage
15:         end if
16:     end for
17:
18:     return factor
19: end function
```