SRM model of the fractured rock slope

Designation of two potential factors of safety $F_1 = 1$ and $F_2 = 100$

$F = (F_1 + F_2)/2$

Gravity acceleration increase and friction coefficient reduction by a factor $F$

Calculation of the slope model

Is the slope model stable?

Yes $F_1 = F$

No $F_2 = F$

$F_2 - F_1 < 0.1$?

Yes $F = F_2$

No

Determination of the critical slip surface and factor of safety $F$

Yes

No