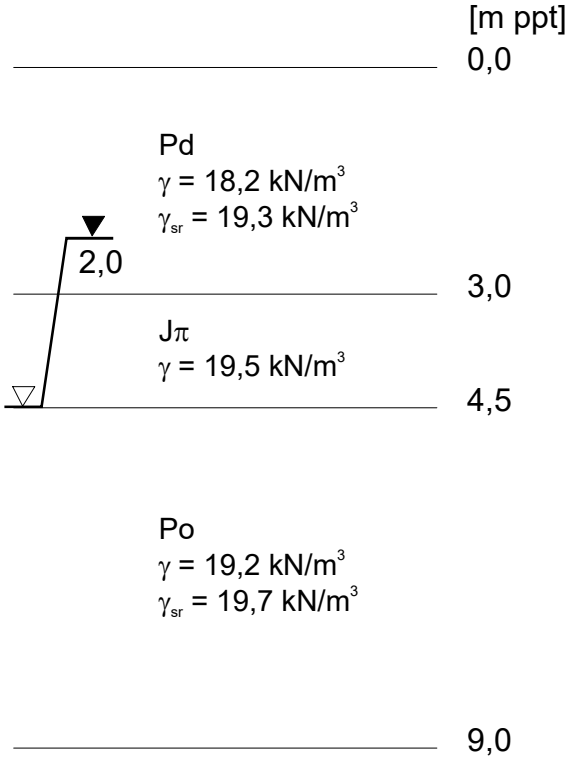
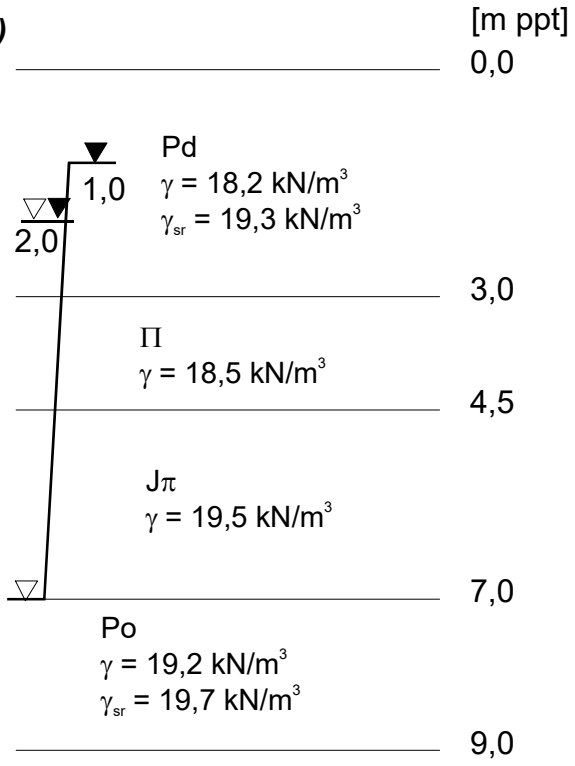
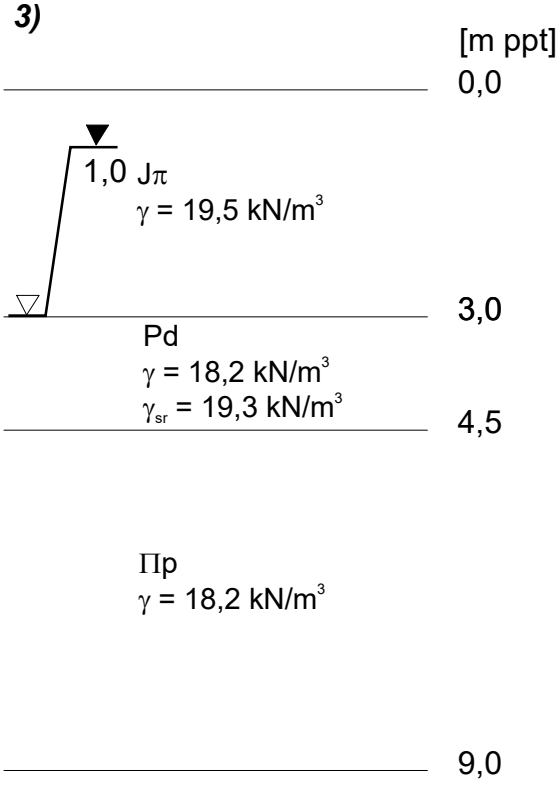
***1)***


[m ppt]
0,0
Pd
γ = 18,2 kN/m3
γsr = 19,3 kN/m3
2,0
3,0
Jπ
γ = 19,5 kN/m3
4,5
Po
γ = 19,2 kN/m3
γsr = 19,7 kN/m3
9,0

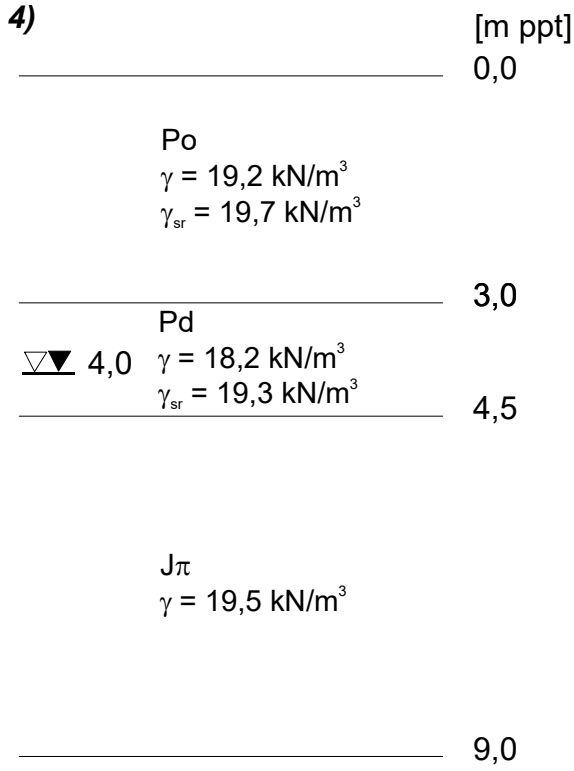
***2)***


[m ppt]
0,0
Pd
γ = 18,2 kN/m3
γsr = 19,3 kN/m3
1,0
2,0
3,0
Π
γ = 18,5 kN/m3
4,5
Jπ
γ = 19,5 kN/m3
7,0
Po
γ = 19,2 kN/m3
γsr = 19,7 kN/m3
9,0

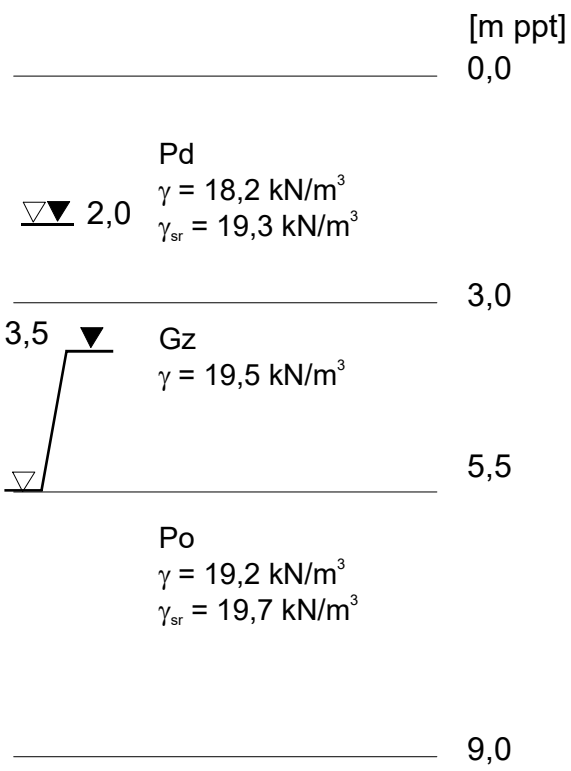
***3)***


[m ppt]
0,0
1,0
Jπ
γ = 19,5 kN/m3
3,0
Pd
γ = 18,2 kN/m3
γsr = 19,3 kN/m3
4,5
Πp
γ = 18,2 kN/m3
9,0

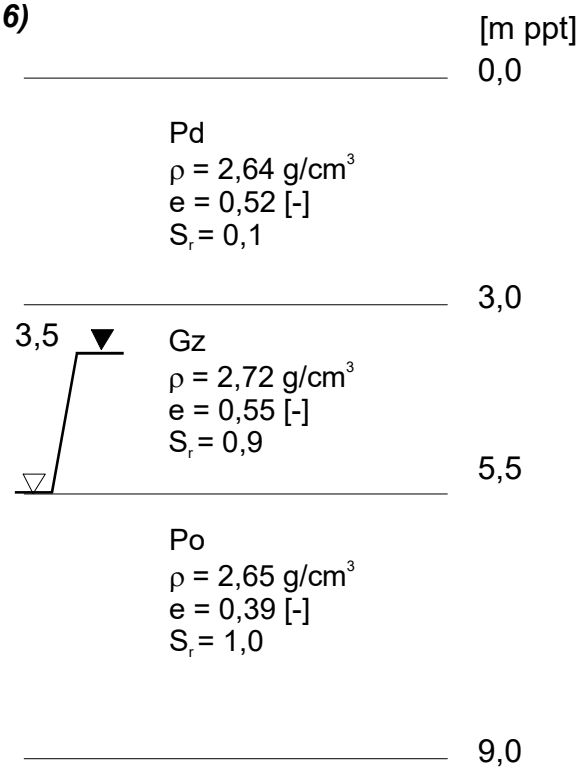
***4)***


[m ppt]
0,0
Po
γ = 19,2 kN/m3
γsr = 19,7 kN/m3
3,0
Pd
4,0
γ = 18,2 kN/m3
γsr = 19,3 kN/m3
4,5
Jπ
γ = 19,5 kN/m3
9,0

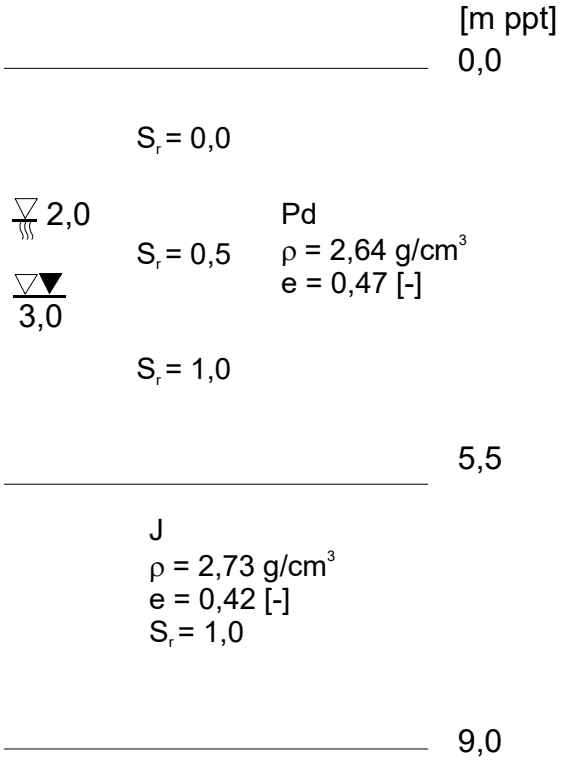
***5)***


[m ppt]
0,0
2,0
Pd
γ = 18,2 kN/m3
γsr = 19,3 kN/m3
3,0
3,5
Gz
γ = 19,5 kN/m3
5,5
Po
γ = 19,2 kN/m3
γsr = 19,7 kN/m3
9,0

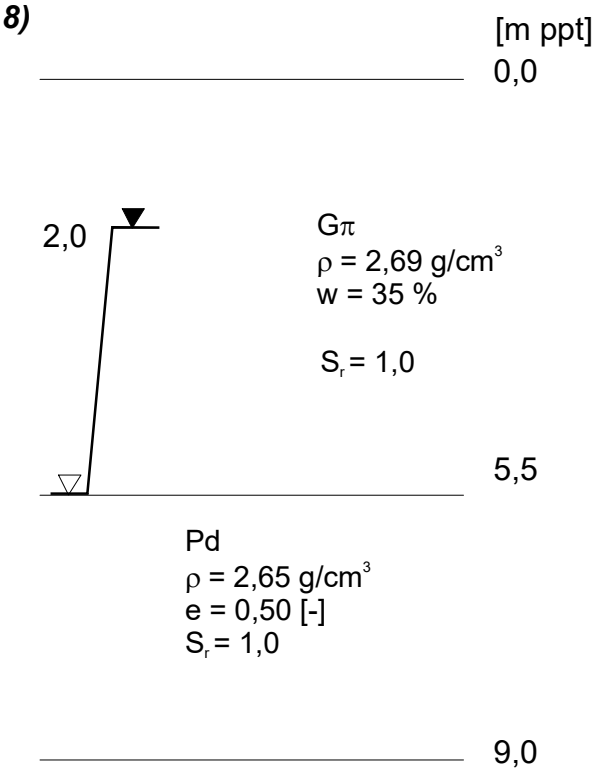
***6)***


[m ppt]
0,0
Pd
ρ = 2,64 g/cm3
e = 0,52 [-]
Sr = 0,1
3,0
3,5
Gz
ρ = 2,72 g/cm3
e = 0,55 [-]
Sr = 0,9
5,5
Po
ρ = 2,65 g/cm3
e = 0,39 [-]
Sr = 1,0
9,0

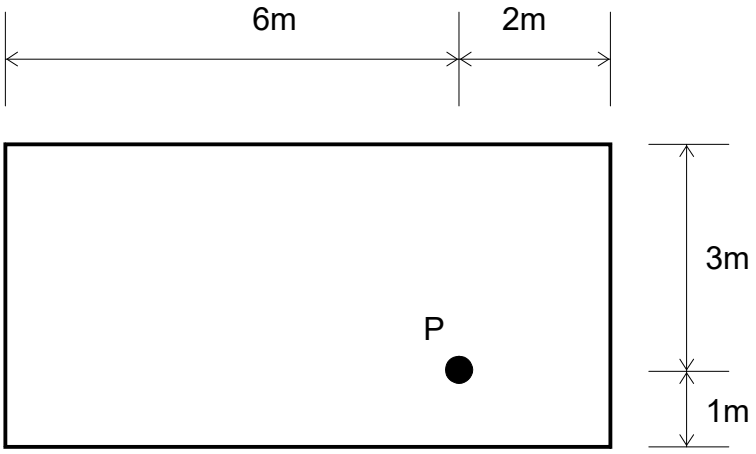
***7)***


[m ppt]
0,0
Sr = 0,0
2,0
Sr = 0,5
Pd
ρ = 2,64 g/cm3
e = 0,47 [-]
3,0
Sr = 1,0
5,5
J
ρ = 2,73 g/cm3
e = 0,42 [-]
Sr = 1,0
9,0

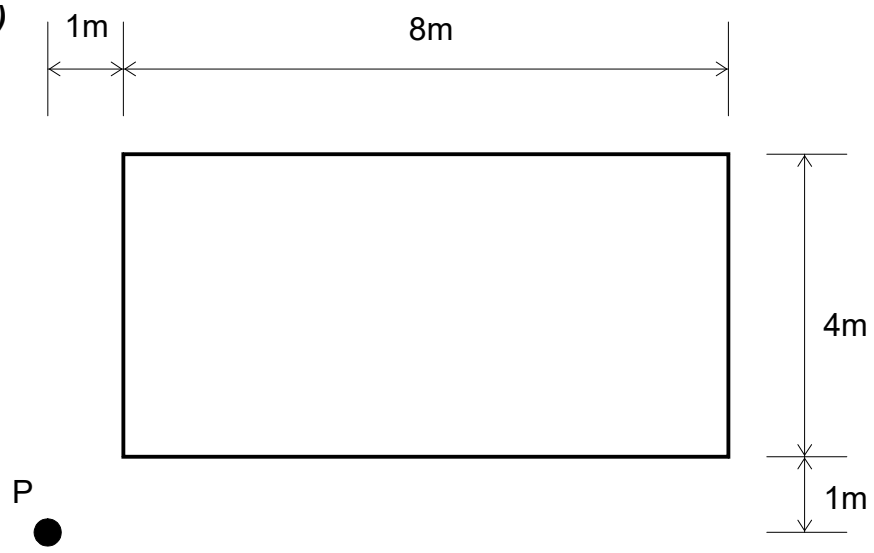
***8)***


[m ppt]
0,0
2,0
Gπ
ρ = 2,69 g/cm3
w = 35 %
Sr = 1,0
5,5
Pd
ρ = 2,65 g/cm3
e = 0,50 [-]
Sr = 1,0
9,0

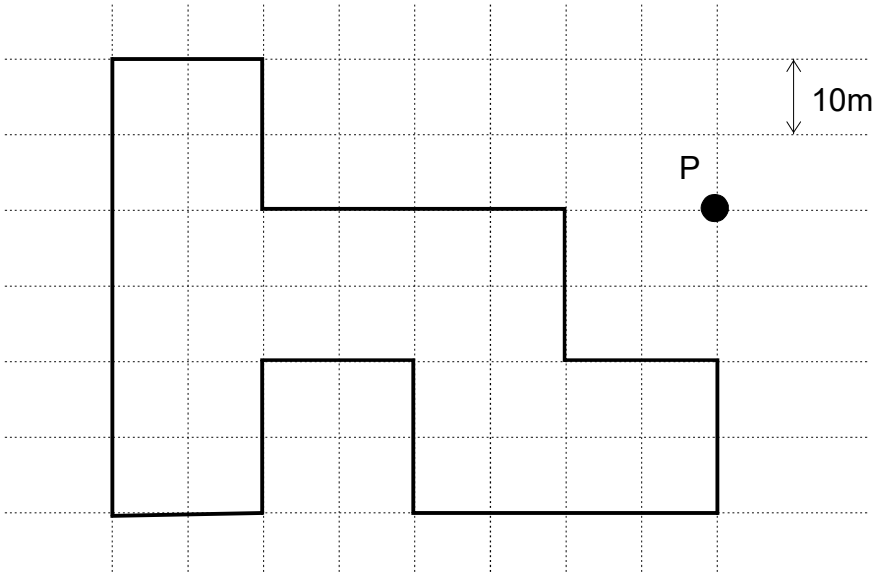
***9)***



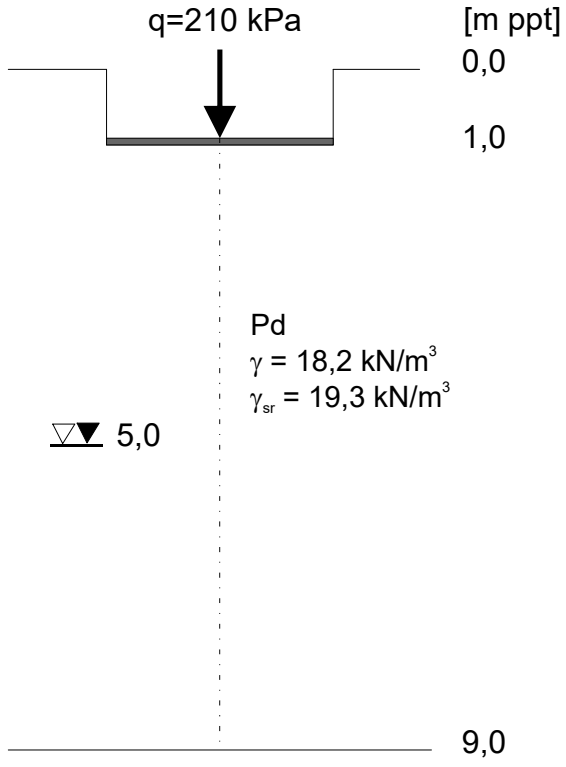

***10)***



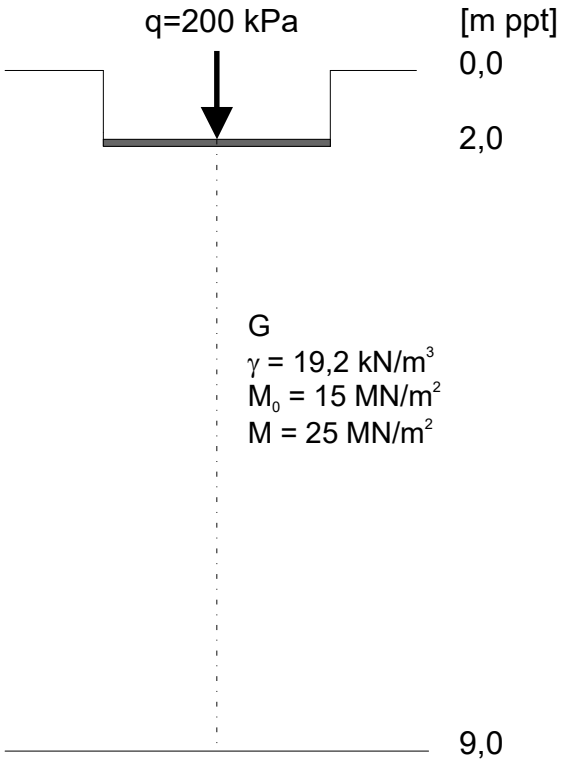

***11)***



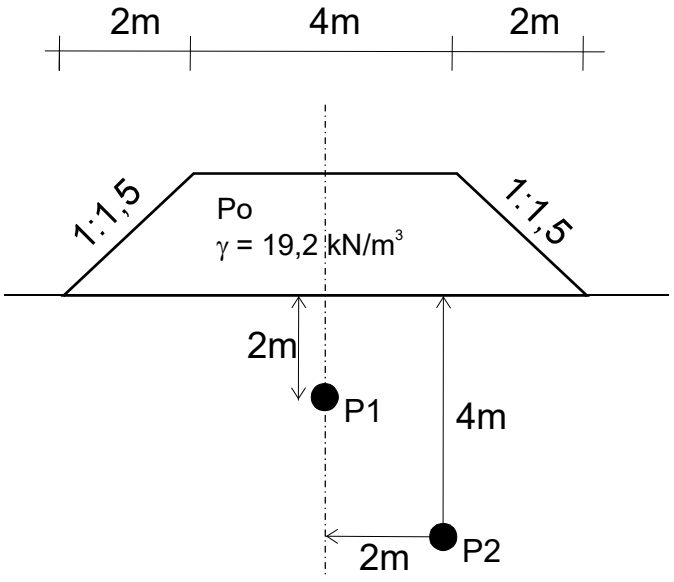
***12)***


q=210 kPa
[m ppt]
0,0
1,0
Pd
γ = 18,2 kN/m3
γsr = 19,3 kN/m3
5,0
9,0

***13)***


q=200 kPa
[m ppt]
0,0
2,0
G
γ = 19,2 kN/m3
M0 = 15 MN/m2
M = 25 MN/m2
9,0

***14)***


2m
4m
2m
1:1,5
1:1,5
Po
γ = 19,2 kN/m3
2m
P1
4m
2m
P2