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```
In [ ]:  resultats = {'Dupont':{'DS1' : [15.5, 4],
                                 'DM1' : [14.5, 1],
                                 'DS2' : [13, 4],
                                 'PROJET1' : [16, 3],
                                 'DS3' : [14, 4]},
                       'Durand':{'DS1' : [6 , 4],
                                 'DM1' : [14.5, 1],
                                 'DS2' : [8, 4],
                                 'PROJET1' : [9, 3],
                                 'IE1' : [7, 2],
                                 'DS3' : [8, 4],
                                 'DS4' :[15, 4]}}
```

```
In [ ]:  def moyenne(nom):
             if nom in ...:
                 notes = resultats[nom]
                 total_points = ...
                 total_coefficients = ...
                 for ...  in notes.values():
                     note , coefficient = valeurs
                     total_points = total_points + ... * coefficient
                     total_coefficients = ... + coefficient
                 return round( ... / total_coefficients , 1 )
             else:
                 return -1
```