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In[ ]:= (* Δογιστικό μοντέλο ή μοντέλο Verhulst*)
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```
In[ ]:= r = 0.5;  
k = 10;  
tend = 20;  
n0 = 4;  
n = .;
```

```
In[ ]:= Sol = NDSolve[{D[n[t], t] == r * n[t] * (1 - n[t] / k), n[0] == n0}, {n}, {t, 0, tend}];  
Plot1 = Plot[Evaluate[n[t] /. First[Sol]], {t, 0, tend}, PlotPoints -> 200,  
  Mesh -> False, AxesLabel -> {t, n}, PlotRange -> {{0, 20}, {0, 10}}, PlotStyle -> Blue,  
  FrameLabel -> {Style["t", FontFamily -> "MS Serif", FontSize -> 18],  
  Style["Πλήθος", FontFamily -> "MS Serif", FontSize -> 18]},  
  RotateLabel -> True, Frame -> {{Automatic, False}, {Automatic, False}}]
```

