



جامعة الأميرة نورة بنت عبد الرحمن
Princess Nourah bint Abdulrahman University



Problem Solving with Decisions





Learning Objectives:

By the End of this video the student is expected to be able to:

- Differentiate between straight-through, positive, and negative decision logic structures.





Algorithm	Flowchart	Pseudocode
<pre>True { If age < 16 Then Change = 7 } True { If age >= 16 And Age < 65 Then Change = 10 } True { If age >= 65 Then Change = 5 }</pre>	<pre>graph TD A((A)) --> D1{If Age < 16} D1 -- True --> P1[Charge = 7] D1 -- False --> D2{If Age >= 16 And Age < 65} D2 -- True --> P2[Charge = 10] D2 -- False --> D3{If Age >= 65} D3 -- True --> P3[Charge = 5] D3 -- False --> B((B))</pre>	<pre>If Age < 16 Then Change = 7 EndIf If Age >= 16 And Age < 65 Then Change = 10 EndIf If Age >= 65 Then Change = 5 EndIf</pre>

Figure : Straight-Through Logic—Example (Sprankle&Hubbard,2008)