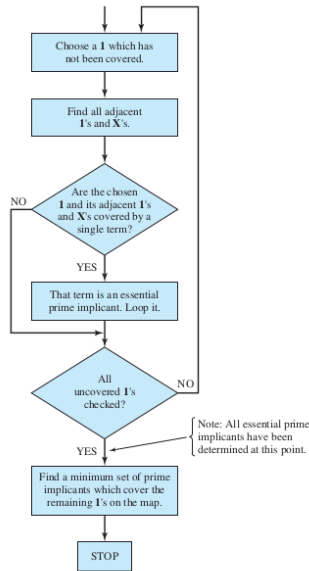


Logic minimization: Minimum-cost circuits

Vikas Dhiman for ECE275

September 23, 2022



Example 6.

		<i>AB</i>			
		<i>00</i>	<i>01</i>	<i>11</i>	<i>10</i>
<i>CD</i>	<i>00</i>	<i>X</i>	<i>1</i>		<i>1</i>
	<i>01</i>		<i>1</i>	<i>1</i>	<i>1</i>
	<i>11</i>		<i>X</i>	<i>X</i>	
	<i>10</i>		<i>1</i>		<i>1</i>

Problem 5. Find the minimum SOP (sum of products) and POS (product of sum) expression for the function $f(a, b, c, d) = \prod M(5, 7, 13, 14, 15) \cdot \prod D(1, 2, 3, 9)$