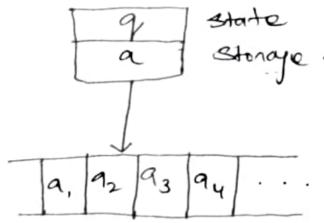


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Programming Tochniques for TM Construction
The following are the diffort feelingus t Constructing a TM to heet high-level needs
O Storage in the finishe Control (4) State
3 Multiple Tracks
1 Multiple Tracks Subscriptines Chedding - off Symbols.
Storage in the state (or) Finite Central
If can also be used to hold a finisher with task of
representing a Position in the Program. The state is written as a Pain of elements, me for antiol another strong a symbol elements, me for antiol another strong a symbol
elements, me for antio) another thony a symb
9 state



D'Multiple Tracks

It is also Possible that a TM input tope

Can be divided into Gueral tracks. Fach track lan

hold one Symbol, and the tope alphabed of

the TM Const of tuple with cane Component do

					_				1	
b	1	0	1	1	8	13	B	-	+	
B	B	B	B	,	0	B	B	B	R	
	B	ß	1	0	١	,	B			
FC										

each track

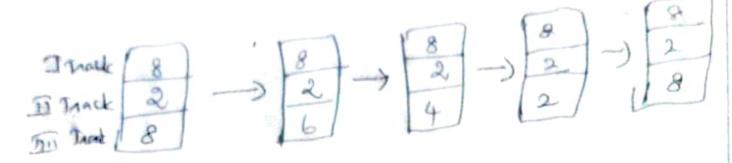
Ex: 99668 600

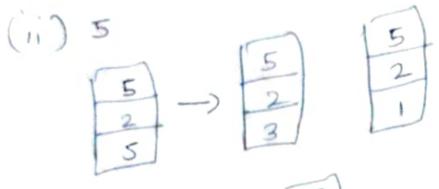
Subtracted for my the Second teach is subtracted for many times Possible till getting the reminder many times resident being the reminder of the the Normalian and the stack is thank the Normalian and the stack is thank to make the normalian and the stack is the stack in the Prime

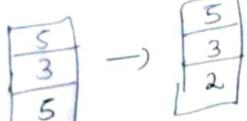


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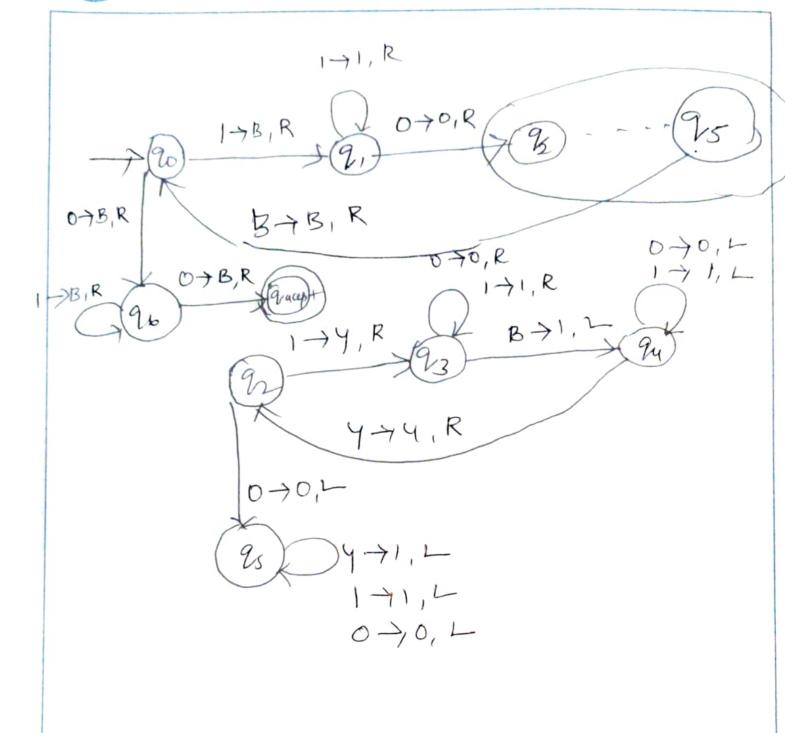




$$\begin{bmatrix} 5 \\ 4 \\ 5 \end{bmatrix}$$

5 Hue Number on took

The given Number is Prime



3 checking - off symbols Hore me track of the tape can be used to Mark the symbols already read. (4) Subsoutings A problem with some fooler to be replanted on many trous, can be
Programmed viry subsoluting. A TM
with Subsolutine is a Set of States That Poetom Some metal Processes. The idea here in to write Part 7 m Programs to Serve as a dissoutive which has is our ititue state ? retine State for returning to the Calling soutine. It improves the modular (an) top down Rogrammy derign.

Multiplication in Turing Machine

 2×3 \rightarrow 2+2+2110/110