$$A_{\overline{M}} \stackrel{<}{=} NOTREG \qquad : \underline{NJY6}$$

$$f: \overline{Z}^* \rightarrow \overline{Z}^* \quad \exists \quad : \underline{NOSIJ}$$

$$f(\langle M, w \rangle) = \langle M', w' \rangle$$

$$\langle M, w \rangle \in A_{\overline{M}} \Rightarrow \langle M', w' \rangle \in NOTREG$$

$$\langle M, w \rangle \notin A_{\overline{M}} \Rightarrow \langle M', w' \rangle \notin NOTREG$$

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	M(w) 1	M(W)=0	M(w) =1
$\times \neq a^{\circ}b^{\circ}$	0	0	Ø
$\times = \alpha^{2}b^{2}$	↑	0	1

$$\langle M, \omega \rangle \in A_{TM} \Rightarrow L(M') = a^{3}b^{3} \Rightarrow \langle M', \omega' \rangle \in NOTREG$$

 $\langle M, \omega \rangle \nmid A_{TM} \Rightarrow L(M') = \phi \Rightarrow \langle M', \omega' \rangle \in REG$
 $\Rightarrow \langle M', \omega' \rangle \not \in NOTREG$