

Ans. to Q No-2

$$S \rightarrow aW | Ye$$

$$W \rightarrow aW | X$$

$$X \rightarrow aXc | M$$

$$M \rightarrow bM | \epsilon$$

$$Y \rightarrow aYc | N$$

$$N \rightarrow bN | Z$$

$$Z \rightarrow cZ | \epsilon$$

Ans. to Q No-1

a

$$S \rightarrow A$$

$$\rightarrow Ab$$

$$\rightarrow Abb$$

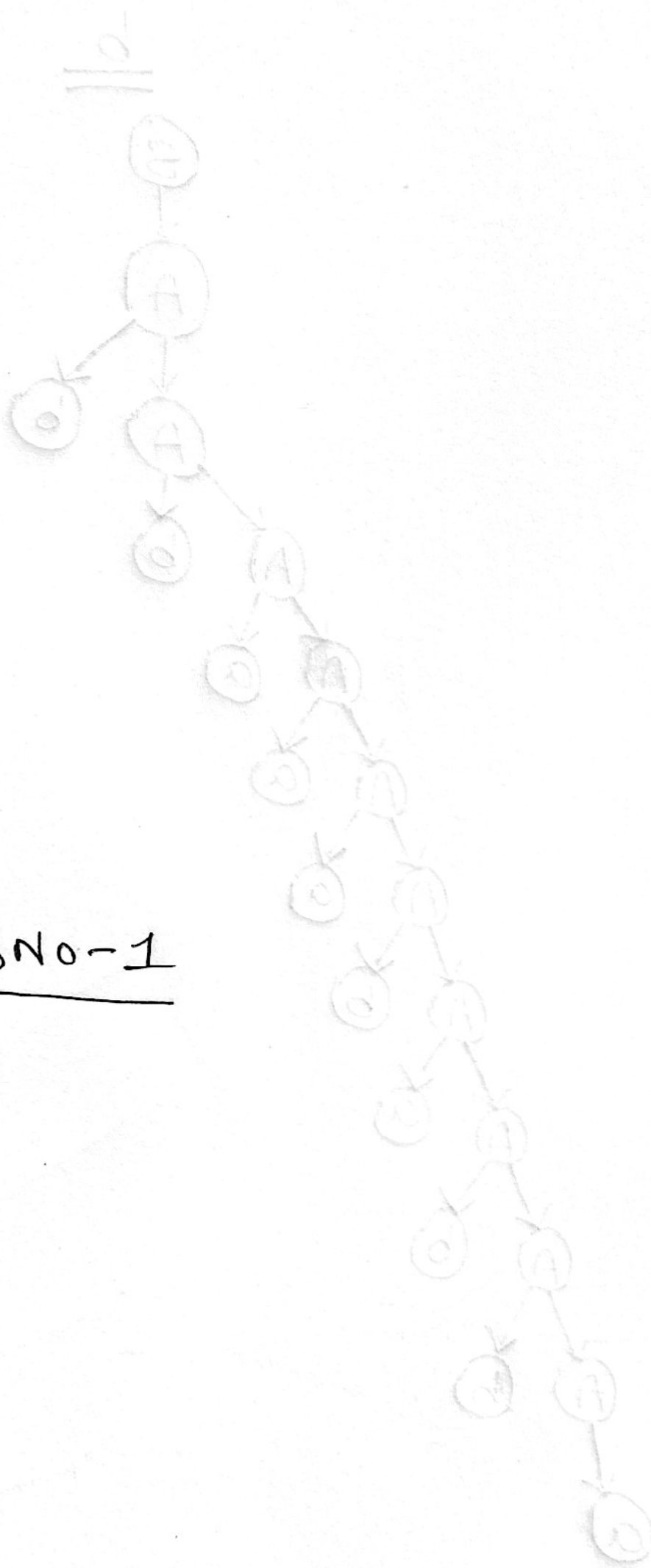
$$\rightarrow Aabb$$

$$\rightarrow Aaabb$$

$$\rightarrow Aaaaabb$$

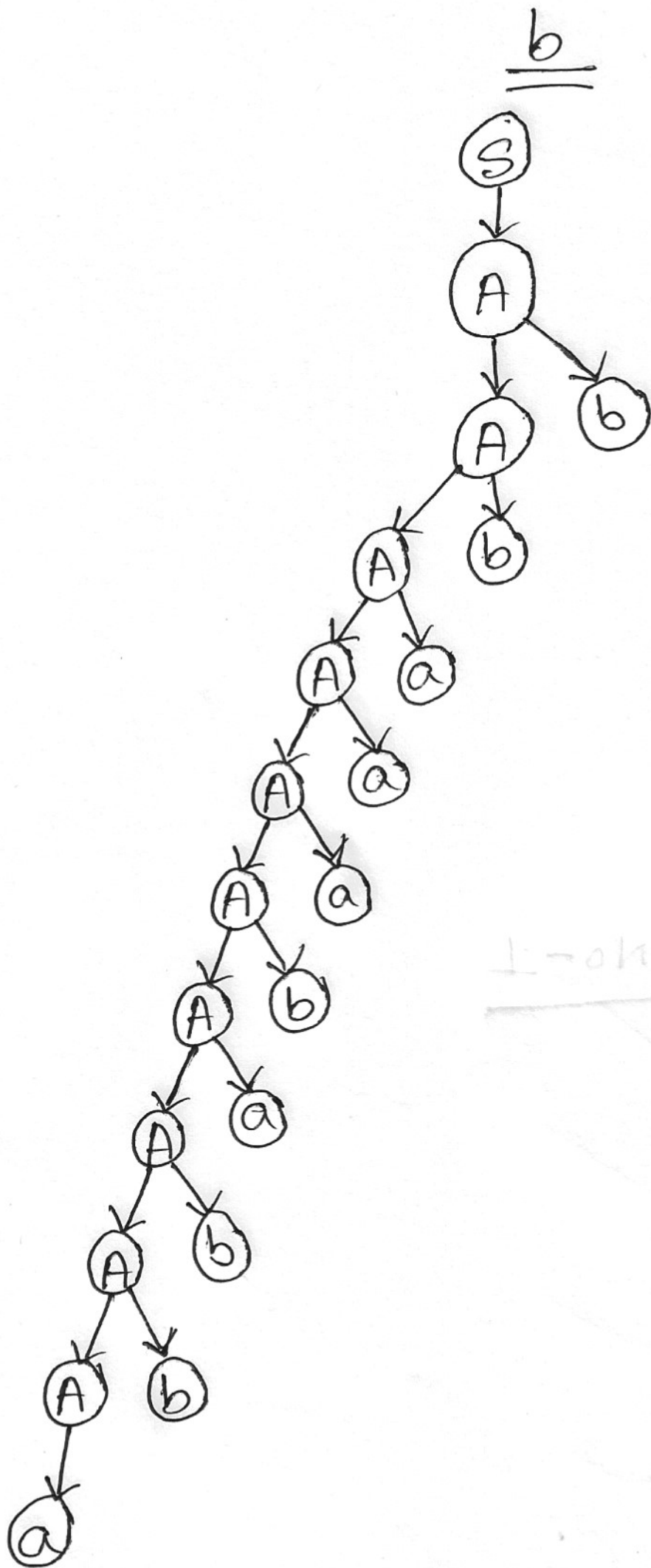
$$\rightarrow Abaaaabb$$

$$\rightarrow Aabaaaabb$$



→ Ababaaabb - on 80th

→ abba baaa bb.



$\Sigma / W_0 \leftarrow \Sigma$

$X / W_0 \leftarrow W$

$M / \Sigma X_0 \leftarrow X$

$\Sigma / M_0 \leftarrow M$

$N / \Sigma X_0 \leftarrow X$

$\Sigma / N_0 \leftarrow N$

$\Sigma / \Sigma_0 \leftarrow \Sigma$

1 - on 80th

$A \leftarrow \Sigma$

$\partial A \leftarrow$

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