



$\lim_{x \rightarrow r} [r x] , [-rx] \Rightarrow$ 

- $x \rightarrow r^+ \leq 9 - v \leq r$  (الف) 1/3
- $x \rightarrow r^- \leq 1 - 9 \leq r$  (ب) 5

lim  $\leq r$  , انبار صاف  $\leftarrow$

$\lim_{x \rightarrow -c} [-rx] , [rx] \Rightarrow$ 

- $x \rightarrow r^+ \leq r^3 - 1 \leq 11$  (الف)
- $x \rightarrow r^- \leq r^3 \leq 11$  (ب)

lim  $\leq 11$  , انبار صاف  $\leftarrow$

$\lim_{x \rightarrow r} [x^r - rx] \leq$ 

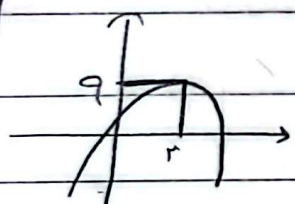
$$\frac{x(x-r)}{0 \cdot r} \Rightarrow$$

$$\frac{0}{+ \cdot 0 - 0} +$$
9/3

9

$r^- \rightarrow r^- - 1 \leq [(-r)^-] \leq [-r^3 \dots 11^0] \leq -r$

$\lim_{x \rightarrow r} [9x - x^2] \leq$



$\lim_{x \rightarrow r} [9x - x^2] \leq [9^-] \leq 1$

$\lim_{x \rightarrow r} \frac{|x-r|}{x^2 - rx + r} \Rightarrow \frac{0}{0} \sim \frac{(x-1)(x-r)}{(x-r)(x-1)}$ 
10/3

$\lim_{x \rightarrow r^+} \frac{x-r}{(x-r)(x-1)} \leq \frac{1}{r-1} \leq \frac{1}{1}$

$\lim_{x \rightarrow 1} x - [x] \leq \frac{0}{0} \sim$ 

- $x \rightarrow 1^+ [x] \leq [1^+] \leq 1$

$\frac{x-1}{(x-1)(x+1)} \leq \frac{1}{x+1}$

$x \rightarrow 1^- \rightarrow [1^-] \leq 0 \leq \frac{1}{2^-} \leq -\infty$

