



(i)

$\times$	$b_1$	$b_2$	$\dots$	$b_m$
$a_1$	$c?$	$c?$	$\dots$	$c?$
$a_2$	$c?$	$c?$	$\dots$	$c?$
$\vdots$	$\vdots$	$\vdots$	$\ddots$	$?$
$a_m$	$c?$	$c?$	$\dots$	$c?$

edge in  $\tilde{E}_{31}$  that makes a balanced circle with  $a_2$  and  $b_2$ .

(ii)