

	M_u
$h_1(u)=4, \text{clz}(0b\textcolor{red}{0}100)=$	<div>1</div>
$h_2(u)=1, \text{clz}(0b\textcolor{red}{0}\textcolor{red}{0}\textcolor{red}{0}1)=$	<div>3</div>
$h_3(u)=9, \text{clz}(0b1010)=$	<div>0</div>
$h_4(u)=6, \text{clz}(0b\textcolor{red}{0}110)=$	<div>1</div>

(a)

	M_u		M_v		M_{uv}
$\max($	<div>1</div>	,	<div>$\textcolor{red}{2}$</div>	$) \rightarrow$	<div>2</div>
$\max($	<div>$\textcolor{red}{3}$</div>	,	<div>0</div>	$) \rightarrow$	<div>3</div>
$\max($	<div>0</div>	,	<div>$\textcolor{red}{1}$</div>	$) \rightarrow$	<div>1</div>
$\max($	<div>$\textcolor{red}{1}$</div>	,	<div>0</div>	$) \rightarrow$	<div>1</div>

(b)

	\hat{G}_{uv}		M_{uv}		M_u
$\text{cmov}($	<div>✓</div>	,	<div>2</div>	$) \rightarrow$	<div>$\textcolor{red}{2}$</div>
$\text{cmov}($	<div>✗</div>	,	<div>3</div>	$) \rightarrow$	<div>3</div>
$\text{cmov}($	<div>✗</div>	,	<div>1</div>	$) \rightarrow$	<div>0</div>
$\text{cmov}($	<div>✓</div>	,	<div>1</div>	$) \rightarrow$	<div>$\textcolor{red}{1}$</div>

(c)