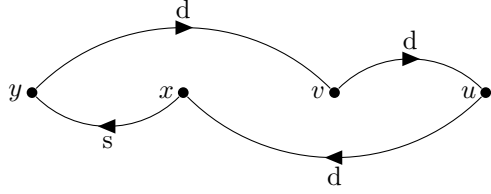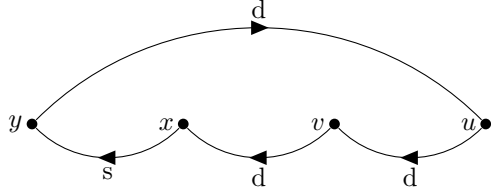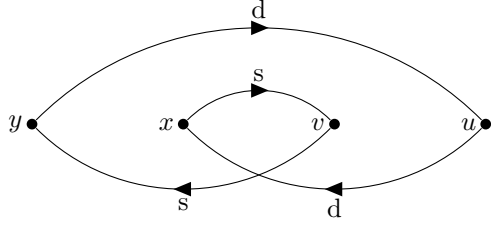$0.5556\ Tr[\gamma_\mu L(u,v)\gamma_\nu L(v,u)]Tr[L(x,y)\gamma_5 H(y,x)]$
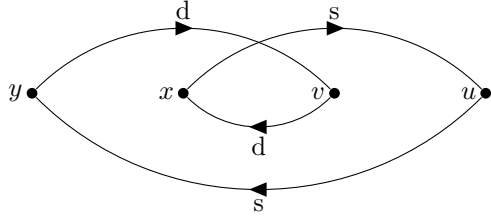

$-0.1111\ \gamma_\mu L(u,v)\gamma_\nu L(v,y)\gamma_5 H(y,x)L(x,u)$

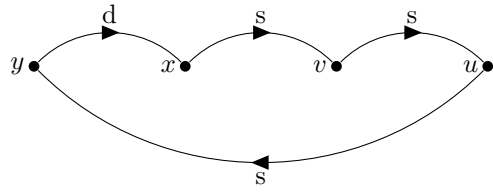$-0.1111\ \gamma_\mu L(u,y)\gamma_5 H(y,x)L(x,v)\gamma_\nu L(v,u)$

$-0.1111\ \gamma_\mu L(u,y)\gamma_5 H(y,v)\gamma_\nu H(v,x)L(x,u)$

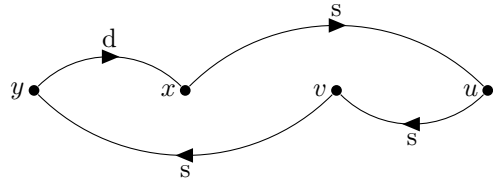$-0.1111\ \gamma_\mu H(u,x)L(x,v)\gamma_\nu L(v,y)\gamma_5 H(y,u)$

$0.1111\ Tr[\gamma_\mu H(u,v)\gamma_\nu H(v,u)]Tr[L(x,y)\gamma_5 H(y,x)]$

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$$-0.1111\ \gamma_\mu H(u,v)\gamma_\nu H(v,x)L(x,y)\gamma_5 H(y,u)$$

$$-0.1111\ \gamma_\mu H(u,x)L(x,y)\gamma_5 H(y,v)\gamma_\nu H(v,u)$$