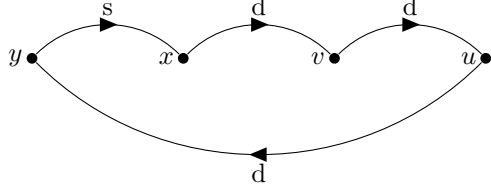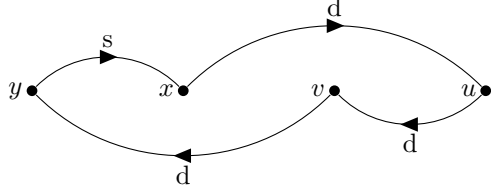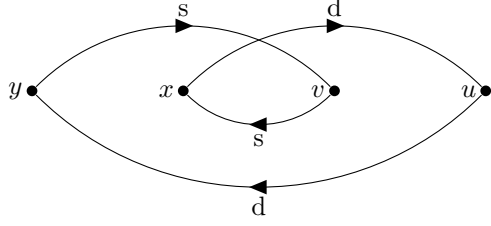$$0.5556\ Tr[\gamma_\mu L(u,v)\gamma_\nu L(v,u)]Tr[H(x,y)\gamma_5 L(y,x)]$$
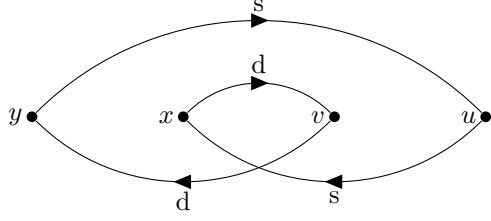

$$-0.1111\ \gamma_\mu L(u,v)\gamma_\nu L(v,x)H(x,y)\gamma_5 L(y,u)$$

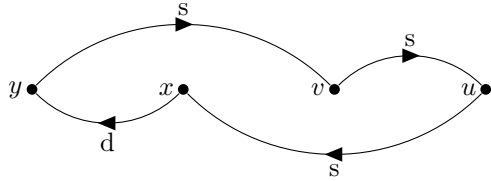$$-0.1111\ \gamma_\mu L(u,x)H(x,y)\gamma_5 L(y,v)\gamma_\nu L(v,u)$$

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

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

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

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

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