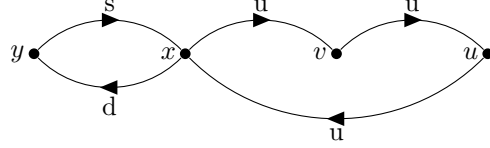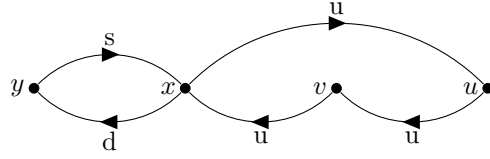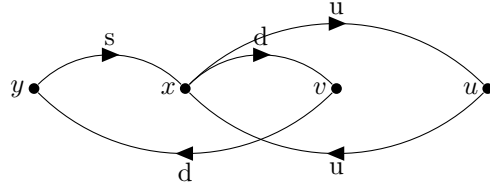$$-0.5556\,Tr[\gamma_\mu L(u,v)\gamma_\nu L(v,u)]Tr_s[H(x,y)\gamma_5 L(y,x)\gamma_L]_{c_3,c_2}Tr_s[L(x,x)\gamma_L]_{c_2,c_3}$$
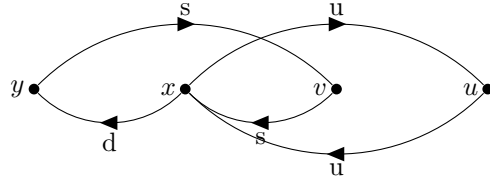
$$0.4444\,Tr_s[L(x,u)\gamma_\mu L(u,v)\gamma_\nu L(v,x)\gamma_L]_{c_2,c_3}Tr_s[H(x,y)\gamma_5 L(y,x)\gamma_L]_{c_3,c_2}$$
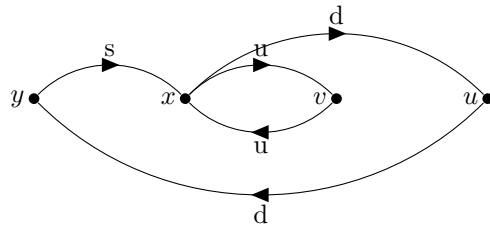
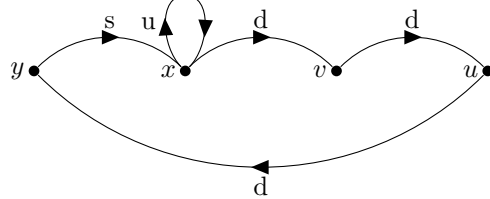$$0.4444\,Tr_s[L(x,v)\gamma_\nu L(v,u)\gamma_\mu L(u,x)\gamma_L]_{c_2,c_3}Tr_s[H(x,y)\gamma_5 L(y,x)\gamma_L]_{c_3,c_2}$$

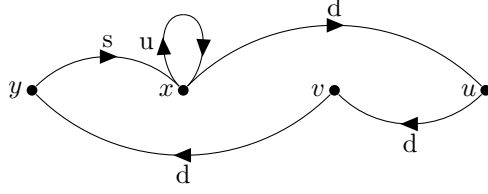$$-0.2222\,Tr_s[L(x,u)\gamma_\mu L(u,x)\gamma_L]_{c_2,c_3}Tr_s[H(x,y)\gamma_5 L(y,v)\gamma_\nu L(v,x)\gamma_L]_{c_3,c_2}$$

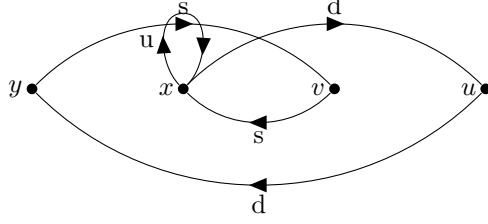$$-0.2222\,Tr_s[L(x,u)\gamma_\mu L(u,x)\gamma_L]_{c_2,c_3}Tr_s[H(x,v)\gamma_\nu H(v,y)\gamma_5 L(y,x)\gamma_L]_{c_3,c_2}$$

$$-0.2222\,Tr_s[H(x,y)\gamma_5 L(y,u)\gamma_\mu L(u,x)\gamma_L]_{c_3,c_2}Tr_s[L(x,v)\gamma_\nu L(v,x)\gamma_L]_{c_2,c_3}$$
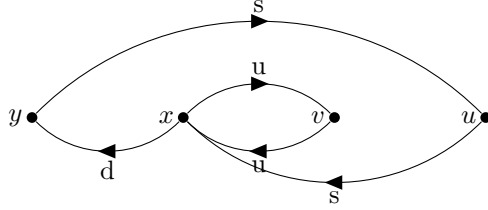
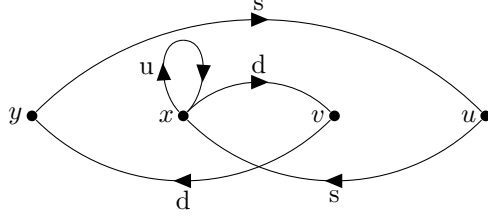$$0.1111\,Tr_s[H(x,y)\gamma_5 L(y,u)\gamma_\mu L(u,v)\gamma_\nu L(v,x)\gamma_L]_{c_3,c_2}Tr_s[L(x,x)\gamma_L]_{c_2,c_3}$$

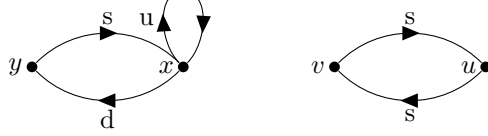$$0.1111 \ Tr_s[H(x,y)\gamma_5 L(y,v)\gamma_\nu L(v,u)\gamma_\mu L(u,x)\gamma_L]_{c_3,c_2} Tr_s[L(x,x)\gamma_L]_{c_2,c_3}$$

$$0.1111 \ Tr_s[H(x,v)\gamma_\nu H(v,y)\gamma_5 L(y,u)\gamma_\mu L(u,x)\gamma_L]_{c_3,c_2} Tr_s[L(x,x)\gamma_L]_{c_2,c_3}$$
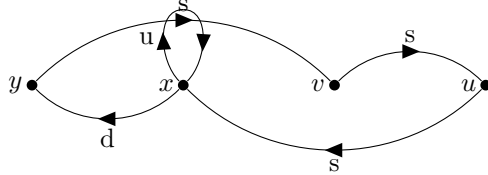

$$-0.2222 \ Tr_s[H(x,u)\gamma_\mu H(u,y)\gamma_5 L(y,x)\gamma_L]_{c_3,c_2} Tr_s[L(x,v)\gamma_\nu L(v,x)\gamma_L]_{c_2,c_3}$$

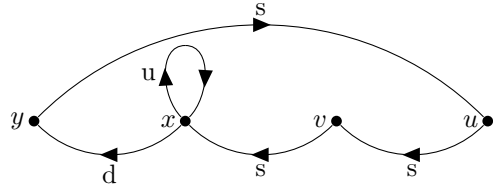
$$0.1111 \ Tr_s[H(x,u)\gamma_\mu H(u,y)\gamma_5 L(y,v)\gamma_\nu L(v,x)\gamma_L]_{c_3,c_2} Tr_s[L(x,x)\gamma_L]_{c_2,c_3}$$

$$-0.1111 \ Tr[\gamma_\mu H(u,v)\gamma_\nu H(v,u)]Tr_s[H(x,y)\gamma_5 L(y,x)\gamma_L]_{c_3,c_2} Tr_s[L(x,x)\gamma_L]_{c_2,c_3}$$

$$0.1111 \ Tr_s[H(x,u)\gamma_\mu H(u,v)\gamma_\nu H(v,y)\gamma_5 L(y,x)\gamma_L]_{c_3,c_2} Tr_s[L(x,x)\gamma_L]_{c_2,c_3}$$

$$0.1111 \; Tr_s[H(x,v)\gamma_\nu H(v,u)\gamma_\mu H(u,y)\gamma_5 L(y,x)\gamma_L]_{c_3,c_2} Tr_s[L(x,x)\gamma_L]_{c_2,c_3}$$