$\Gamma^\mu(x_+ x_-)$ electron – external field – electron vertex

1pI, renorm= alized

$= \sum_{kmm'}$

magnetic moment vertex
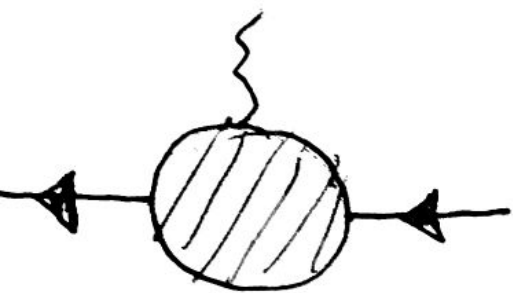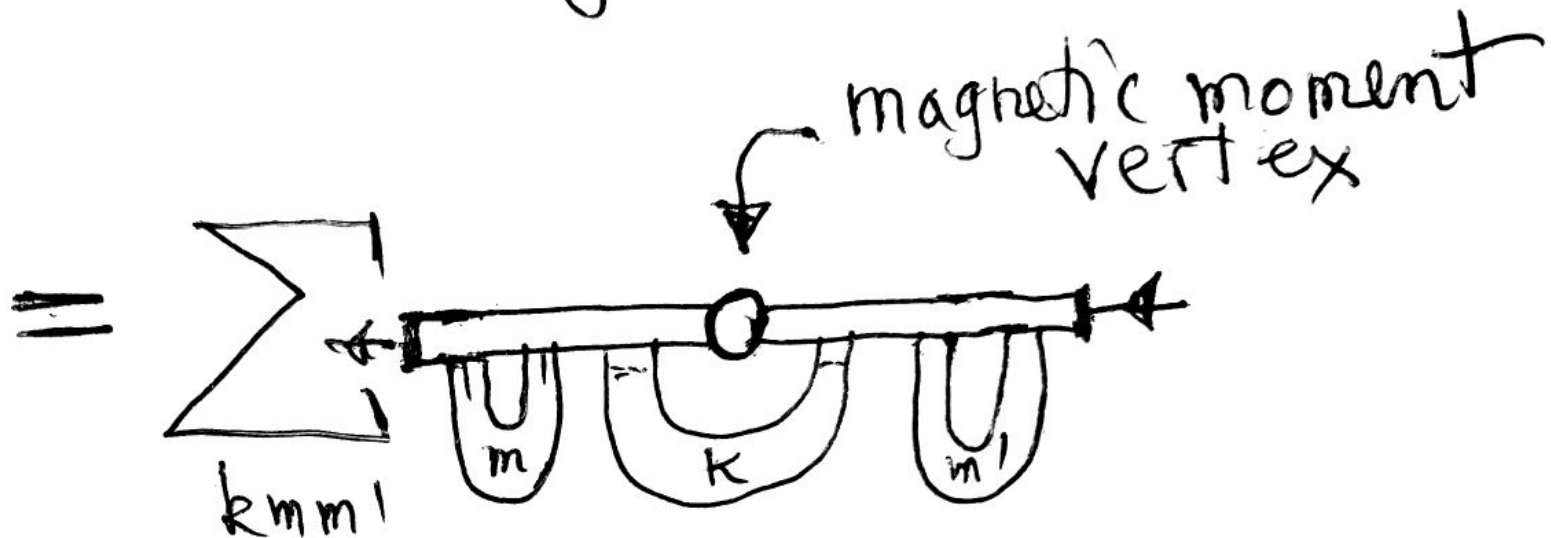
worldline gauge sets

cute fact: not 1pI, but renormalized