```
Input
           @hector.compile
           def forward(g, W, nodes feat, edges type):
             g.edata["msg"]=self.typed linear(W, nodes feat, edges type)
  Lower
                                      Inter-operator level IR Python API
           Layout choices
           etype ptr, row idx
                             for e in g.edges():
Transform
           e["msg"] tensor
                                e["msg"] = e.src.feature *
            dim0: edgewise,
                                            W[e.etype]
            dim1: hidden dim
  Lower
                                      Intra-operator level IR
          gemm 1
           X: (SRCNODE, "feature"),
                                                                PvTorch
  Apply
           W: (W,EDGETYPE), Y: (EDGEWISE, "msg")
           schedule:{'tile sz': 16},
 schedule
           X:[GATHER(row idx), NO TRANSPOSE], W:[WEIGHTS],
           Y:[SCATTER(entry_idx_per_etype + etype_ptr[etype_idx])]
  Code
                                                                      9
           global void gemm 1(T1 var1, ...);
Generation
           void gemm 1 wrap(Tensor& t1, ...);
                                                     compile
                                                                 libtorch
           TORCH LIBRARY FRAGMENT(hector, m){
           m.def("gemm 1", gemm 1 wrap);}
                                                     CUDA
```