Last login: Thu Nov 21 22:55:41 on ttys010) ssh mle Welcome to Ubuntu 22.04.5 LTS (GNU/Linux 6.8.0-48-generic x86_64) * Documentation: https://help.ubuntu.com * Management: https://landscape.canonical.com * Support: https://ubuntu.com/pro Last login: Fri Nov 22 03:55:49 2024 from 52.124.35.169

ubuntu@146-235-212-176:-s cd proj/mod3-Navxihziq/

ubuntu@146-235-212-176:-yproj/mod3-Navxihziqs source .venv/bin/activate

(.venv) ubuntu@146-235-212-176:-yproj/mod3-Navxihziqs python project/run_fast_tensor.py --BACKEND gpu --HIDDEN 100 --DATASET xor --RATE 0.05

//nome/ubuntu/proj/mod3-Navxihziq/.venv/lib/python3.10/site-packages/numba/cuda/dispatcher.py:536: NumbaPerformanceWarning: Grid size 1 will likely result in GPU under-utilization due to low o /home/ubuntu/proj/mod3-Navxihziq/.venv/Liu/pycinuis.iv/sice_packages/numba/cuda/cudadrv/devicearray.py:888: NumbaPerformanceWarning: Host array used in CUDA kernel will incur copy overhead to/from device.
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warn(NumbaPerformanceWarning(msg))
//ome/ubuntu/proj/mod3-Navxihziq/.venv/lib/python3.19/site-packages/numba/cuda/dispatcher.py:536: NumbaPerformanceWarning: Grid size 16 will likely result in GPU under-utilization due to low

occupancy.
warn(NumbaPerformanceWarning(asg))
/home/ubuntu/proj/mod3-Navxihziq/.venv/lib/python3.10/site-packages/numba/cuda/dispatcher.py:536: NumbaPerformanceWarning: Grid size 7 will likely result in GPU under-utilization due to low occupancy
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/home/ubuntu/proj/mod3-Navxihziq/.venv/lib/python3.10/site-packages/numba/cuda/dispatcher.py:536: NumbaPerformanceWarning: Grid size 8 will likely result in GPU under-utilization due to low occupancy
warn(NumbaPerformanceWarning(asg))
/home/ubuntu/proj/mod3-Navxihziq/.venv/lib/python3.10/site-packages/numba/cuda/dispatcher.py:536: NumbaPerformanceWarning: Grid size 2 will likely result in GPU under-utilization due to low o
/home/ubuntu/proj/mod3-Navxihziq/.venv/lib/python3.10/site-packages/numba/cuda/dispatcher.py:536: NumbaPerformanceWarning: Grid size 2 will likely result in GPU under-utilization due to low o

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warn(NumbaPerformanceWarning(msg))
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from device.
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ipoch 480 loss 0.25045310158620887 correct 50 time 596.92s time per epoch 1.49s
'CTraceback (most recent call last):
File "/home/ubuntu/proj/mod3-Navxihziq/project/run_fast_tensor.py", line 145, in <module>
).train(data, RATE)
File "/home/ubuntu/proj/mod3-Navxihziq/project/run_fast_tensor.py", line 100, in train
(loss / y.shape(0)].sum().view(1) labackward)
File "/home/ubuntu/proj/mod3-Navxihziq/minitorch/tensor.py", line 278, in backward
backpropagate(self, grad_output)
File "/home/ubuntu/proj/mod3-Navxihziq/minitorch/tensor.py", line 168, in backpropagate
deriv_map[parent.unique_id] == deriv
File "/home/ubuntu/proj/mod3-Navxihziq/minitorch/tensor.py", line 328, in __radd__
return Add.apply(self._ensure_tensor(b), self)
File "/home/ubuntu/proj/mod3-Navxihziq/minitorch/tensor_functions.py", line 54, in apply
c = cls._forward(ctx, *raw_vals)
File "/home/ubuntu/proj/mod3-Navxihziq/minitorch/tensor_functions.py", line 38, in _forward
return cls.forward(ctx, *inps) # type: ignore
File "/home/ubuntu/proj/mod3-Navxihziq/minitorch/tensor_functions.py", line 91, in forward
return tl.f.add_zip(tl, t2)
File "/home/ubuntu/proj/mod3-Navxihziq/minitorch/tensor.py", line 78, in ret
out = a.zeros(c_Shape)
File "/home/ubuntu/proj/mod3-Navxihziq/minitorch/tensor.py", line 214, in zeros
out_type_(self.backend)
File "/home/ubuntu/proj/mod3-Navxihziq/minitorch/tensor.py", line 150, in _type_
self._tensor.to_cuda_()
                self._tensor.to_cuda_()
le "/home/ubuntu/proj/mod3-Navxihziq/minitorch/tensor_data.py", line 218, in to_cuda_
        File
        self.storage = numba.cuda.to_device(self._storage)
File "/home/ubuntu/proj/mod3-Navxihziq/.venv/lib/python3.10/site-packages/numba/cuda/cudadrv/devices.py", line 232, in _require_cuda_context return fn(*args, **Navs.)
File "/home/ubuntu/proj/mod3-Navxihziq/.venv/lib/python3.10/site-packages/numba/cuda/api.py", line 128, in to_device
        to, new = devicearray.auto_device(obj, stream=stream, copy=copy, File "/home/ubuntu/proj/mod3-Navxihziq/.venv/lib/python3.10/site-packages/numba/cuda/cudadrv/devicearray.py", line 889, in auto_device
       File "/home/ubuntu/proj/mod3-Navxihziq/.venv/lib/python3.10/site-packages/numba/cuda/cudadrv/devicearray.py", line 889, in auto_device devobj.copy_to_device(obj), streamsstream)
File "/home/ubuntu/proj/mod3-Navxihziq/.venv/lib/python3.10/site-packages/numba/cuda/cudadrv/devices.py", line 232, in _require_cuda_context return firk-args, **Nav.
File "/home/ubuntu/proj/mod3-Navxihziq/.venv/lib/python3.10/site-packages/numba/cuda/cudadrv/devicearray.py", line 223, in copy_to_device sentry_contiguous(self)
File "/home/ubuntu/proj/mod3-Navxihziq/.venv/lib/python3.10/site-packages/numba/cuda/cudadrv/devicearray.py", line 849, in sentry_contiguous
        core = array_core(ary)
File "/home/ubuntu/proj/mod3-Navxihziq/.venv/lib/python3.10/site-packages/numba/cuda/cudadrv/devicearray.py", line 823, in array_core
        return ary[tuple(core_index)]
File "/home/ubuntu/proj/mod3-Navxihzig/.venv/lib/python3.10/site-packages/numba/cuda/cudadrv/devices.py", line 231, in _require_cuda_context
        with _runtime.ensure_context():
File "/usr/lib/python3.10/contextlib.py", line 135, in __enter__
                return next(self.gen)
le "/home/ubuntu/proj/mod3-Navxihziq/.venv/lib/python3.10/site-packages/numba/cuda/cudadrv/devices.py", line 122, in ensure_context
```

oldctx = self._get_attached_context()

KeyboardInterrupt