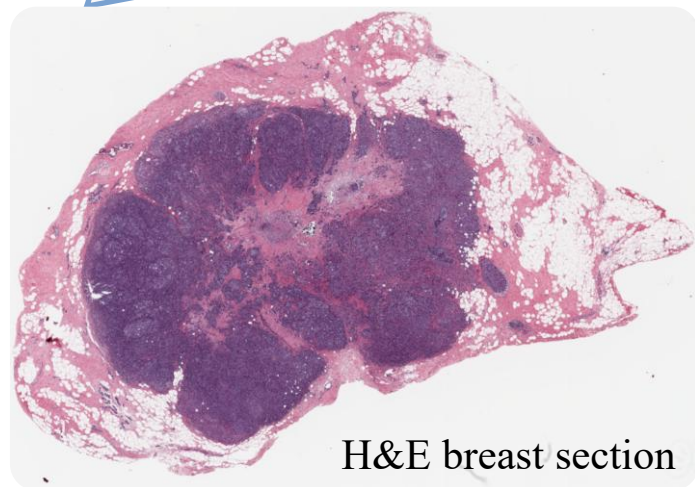
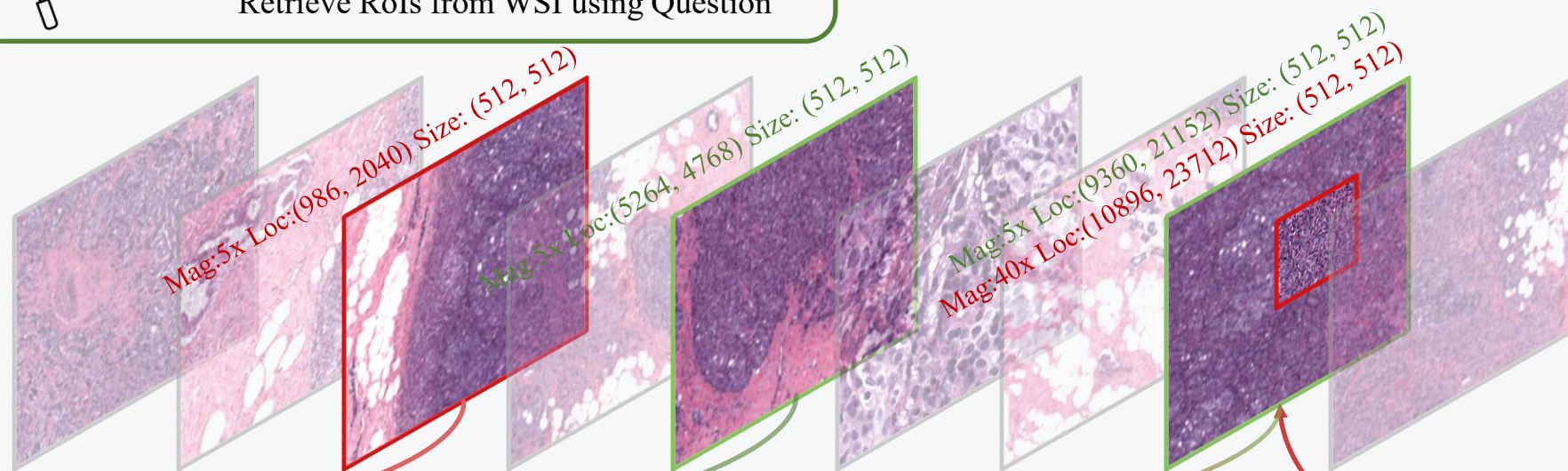


Question: What nuclear grade in the cells of the invasive ductal carcinoma in the provided WSI?



Navigator

Round-1  
Retrieve RoIs from WSI using Question



Answer: Grade III/III



Perceptor

### Generate Question-oriented Captions

- Round-1 5x (9360, 21152): Dense texture and strong granularity suggest high tumor cell density.
- Round-1 5x (5264, 4768): Tumor nests or high-cellularity areas coexist with stromal reactions.
- Round-2 5x (986, 2040): High-density malignant epithelioid cell population.
- Round-2 40x (10896, 23712): High-density malignant epithelioid cell population.



Executor

### Self-Reflective Reasoning

#### Predict Answer

Round-1: Grade II/III

Round-2: Grade III/III

#### Self Reflect

Sufficient?

Round-1: Not Sufficient

Round-2: Sufficient

#### Explore Missing Information

Round-1: Zoom in the tumor regions at 40x ...



Navigator

### Retrieve RoIs

Round-2

“Morphology and distribution of cancer cells in the region with high tumor cell density.”