

SQuAD

ACL 16

SQuAD

In meteorology, precipitation is any product of the condensation of atmospheric water vapor that falls under **gravity**. The main forms of precipitation include drizzle, rain, sleet, snow, **graupel** and hail... Precipitation forms as smaller droplets coalesce via collision with other rain drops or ice crystals **within a cloud**. Short, intense periods of rain in scattered locations are called "showers".

What causes precipitation to fall?

gravity

What is another main form of precipitation besides drizzle, rain, snow, sleet and hail?

graupel

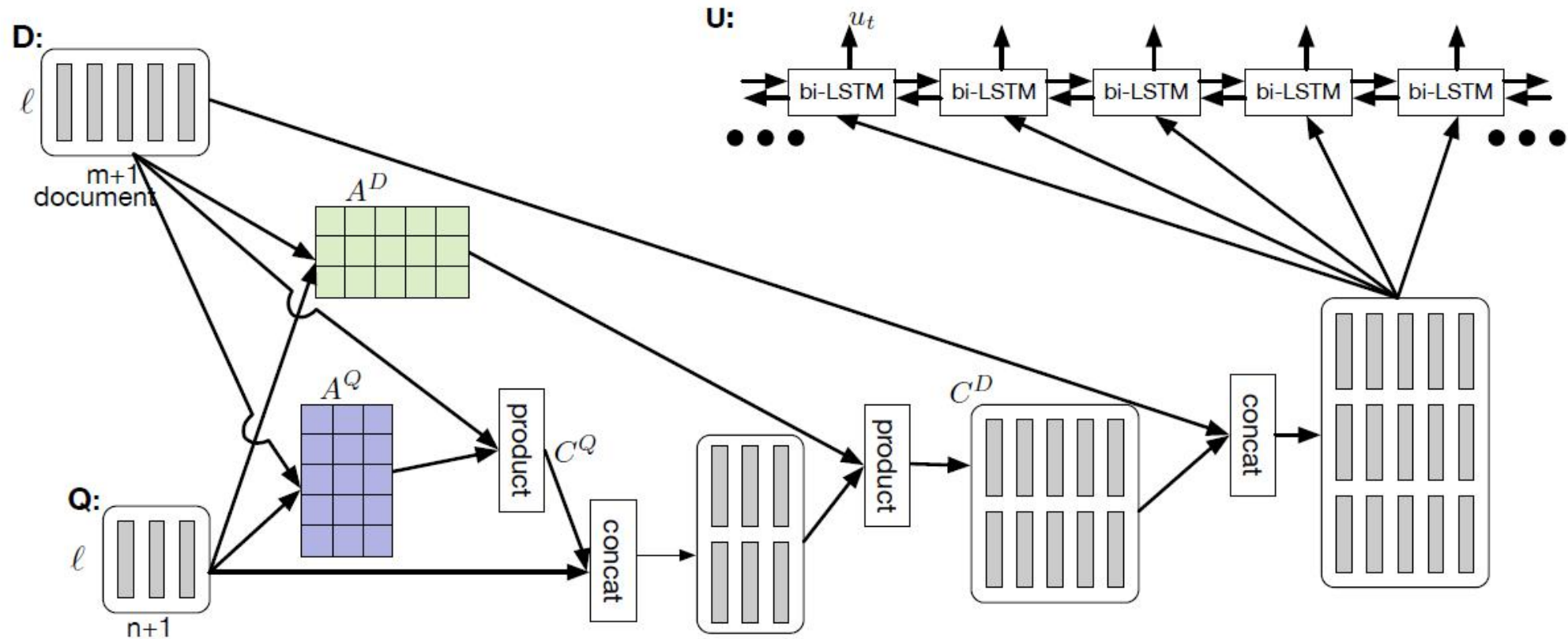
Where do water droplets collide with ice crystals to form precipitation?

within a cloud

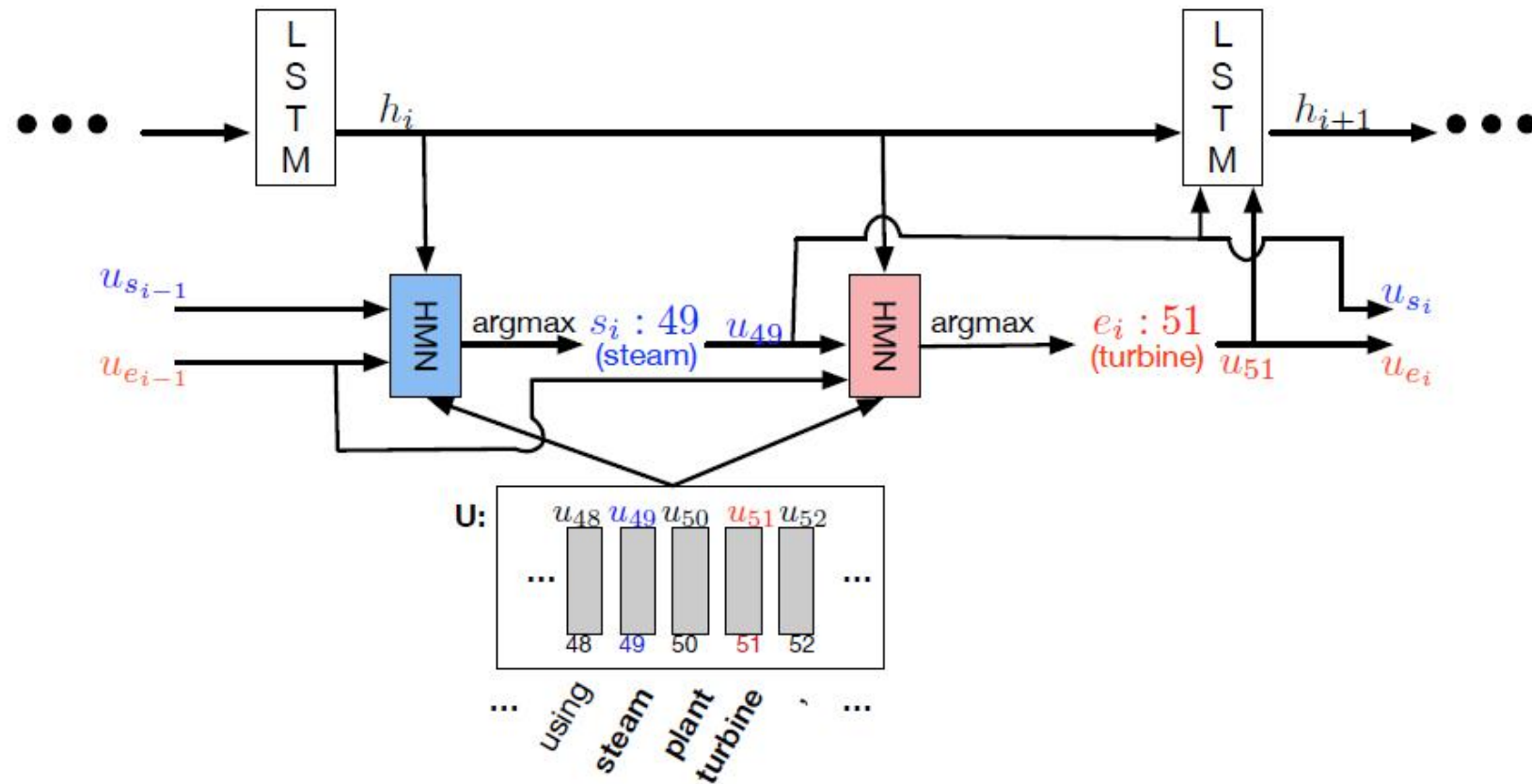
SQuAD contains **107,785**
question-answer pairs on **536**
articles

DYNAMIC COATTENTION NETWORKS
FOR QUESTION ANSWERING
ACL 16

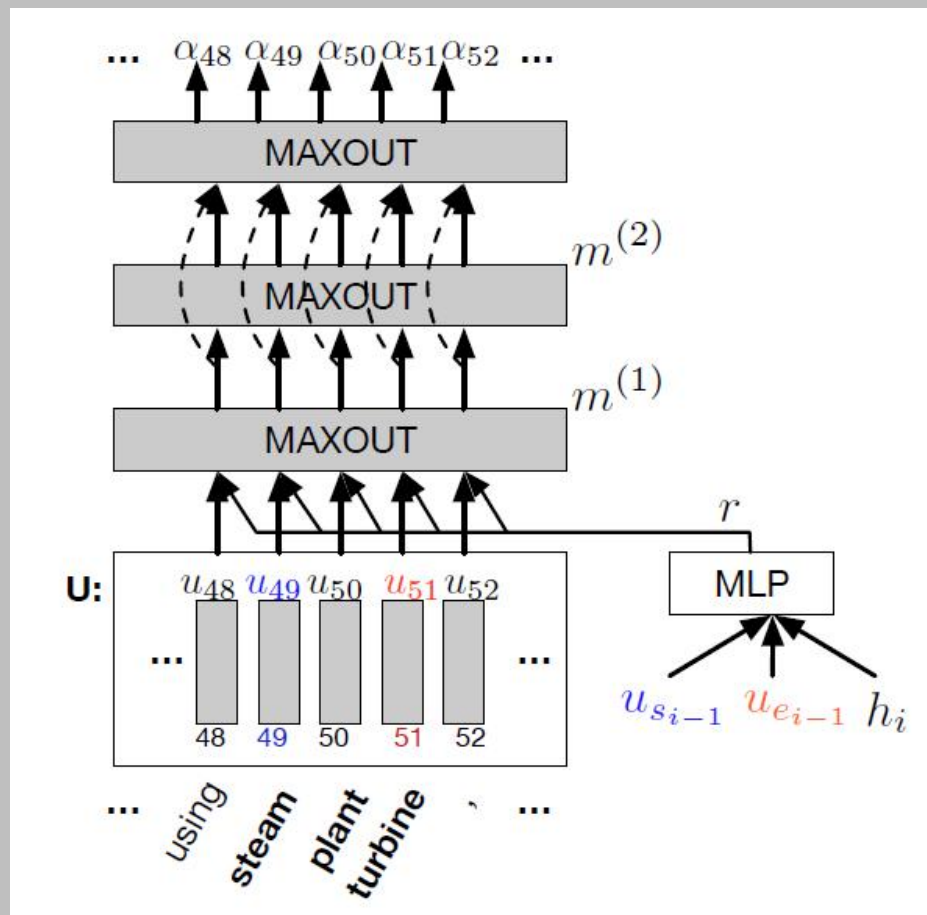
DYNAMIC COATTENTION



DYNAMIC COATTENTION



Highway Maxout Network



Result

Model	Dev EM	Dev F1	Test EM	Test F1
<i>Ensemble</i>				
DCN (Ours)	70.3	79.4	71.2	80.4
Microsoft Research Asia *	—	—	69.4	78.3
Allen Institute *	69.2	77.8	69.9	78.1
Singapore Management University *	67.6	76.8	67.9	77.0
Google NYC *	68.2	76.7	—	—
<i>Single model</i>				
DCN (Ours)	65.4	75.6	66.2	75.9
Microsoft Research Asia *	65.9	75.2	65.5	75.0
Google NYC *	66.4	74.9	—	—
Singapore Management University *	—	—	64.7	73.7
Carnegie Mellon University *	—	—	62.5	73.3
Dynamic Chunk Reader (Yu et al., 2016)	62.5	71.2	62.5	71.0
Match-LSTM (Wang & Jiang, 2016)	59.1	70.0	59.5	70.3
Baseline (Rajpurkar et al., 2016)	40.0	51.0	40.4	51.0
Human (Rajpurkar et al., 2016)	81.4	91.0	82.3	91.2