

| Layer | Type | Input Shape | Output Shape |
|-------|----------|----------------------|---------------|
| 1 | Linear | $2 \times 500_{dim}$ | $500_{dim}/2$ |
| 2 | ReLU | $500_{dim}/2$ | $500_{dim}/2$ |
| 3 | Linear | $500_{dim}/2$ | 1 |
| 4 | Softplus | 1 | 1 |