Table 7: Long-term multivariate forecasting results with prediction lengths  $S \in \{96, 192, 336, 720\}$  and fixed lookback length T = 96. The best forecasting results are in bold and the second-best are underlined. Lower MSE/MAE indicates more accurate predictions. The results of other models are sourced from iTransformer (Liu et al., 2024). FreqMoE iTransformer PatchTST Crossformer FEDformer Autoformer TiDE TimesNet DLinear SCINet Models Metric 96 | **0.314 0.356**| 0.334 0.368 | 0.329 0.367 | 0.404 0.426 | 0.364 0.387 | 0.338 0.375 | 0.345 0.372 | 0.418 0.438 | 0.379 0.419 | 0.505 0.475 192 336  $[0.385\ 0.404]0.426\ 0.420\ 0.399\ 0.410\ 0.532\ 0.515\ 0.428\ 0.425\ 0.410\ 0.411\ 0.413\ 0.413\ 0.490\ 0.485\ 0.445\ 0.459\ 0.621\ 0.537$  $| \mathbf{0.446} \underline{0.445} | 0.491 \ 0.459 | \underline{0.454} \ \underline{0.439} | 0.666 \ 0.589 | 0.487 \ 0.461 | 0.478 \ 0.450 | 0.474 \ 0.453 | 0.595 \ 0.550 | 0.543 \ 0.490 | 0.671 \ 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 | 0.561 |$ 720|**0.375 0.396**|| 0.407 | 0.410 | <u>0.387 | 0.400 |</u> 0.513 | 0.496 | 0.419 | 0.419 | 0.400 | 0.406 | 0.407 | 0.485 | 0.481 | 0.448 | 0.452 | 0.588 | 0.517 Avg | 0.173 | 0.266 | 0.180 | 0.264 | 0.175 | 0.259 | 0.287 | 0.366 | 0.207 | 0.305 | 0.187 | 0.267 | 0.193 | 0.292 | 0.286 | 0.377 | 0.203 | 0.287 | 0.255 | 0.339 192| **0.235** | 0.310 | 0.250 | 0.309 | 0.241 | **0.302** | 0.414 | 0.492 | 0.290 | 0.364 | 0.249 | 0.309 | 0.284 | 0.362 | 0.399 | 0.445 | 0.269 | 0.328 | 0.281 | 0.340 | 336  $[0.290 \ \overline{0.350}]0.311 \ 0.348 \ \overline{[0.305} \ 0.343]0.597 \ 0.542 \ \overline{[0.377} \ 0.422]0.321 \ 0.351 \ \overline{[0.369} \ 0.427]0.637 \ 0.591 \ 0.325 \ 0.366 \ \overline{[0.339} \ 0.372$ |0.385| 0.424 |0.412| |0.407| |0.402| 0.400 |1.730| 1.042 |0.558| 0.524 |0.408| 0.403 |0.554| 0.522 |0.960| 0.735 |0.421| 0.415 |0.433| 0.432 720| 0.270 | 0.337 | 0.288 | 0.332 | 0.281 | 0.326 | 0.757 | 0.610 | 0.358 | 0.404 | 0.291 | 0.333 | 0.350 | 0.401 | 0.571 | 0.537 | 0.305 | 0.349 | 0.327 | 0.371 Avg  $[0.371\ 0.388]0.386\ 0.405\ [0.414\ 0.419\ ]0.423\ 0.448\ [0.479\ 0.464]0.384\ 0.402\ ]0.386\ 0.400\ ]0.654\ 0.599\ ]0.376\ 0.419\ ]0.449\ 0.459$ 0.426 0.422 | 0.441 0.436 | 0.460 0.445 | 0.471 0.474 | 0.525 0.492 | 0.436 0.429 | 0.437 | 0.432 | 0.719 0.631 | 0.420 0.448 | 0.500 0.482192336 0.475 0.447 0.487 0.458 0.501 0.466 0.570 0.546 0.565 0.515 0.491 0.469 0.481 0.459 0.459 0.659 0.465 0.521 0.496720|0.488|0.459|0.503|0.491|0.500|0.488|0.653|0.621|0.594|0.558|0.521|0.500|0.519|0.516|0.836|0.699|0.506|0.507|0.514|0.512 $[0.440\ 0.429]0.454\ 0.447\ [0.469\ 0.454\ ]0.529\ 0.522\ [0.541\ 0.507\ ]0.458\ 0.450\ [0.456\ 0.452\ ]0.747\ 0.647\ [0.440\ 0.460\ ]0.496\ 0.487$ Avg | 0.287 0.337 | 0.297 0.349 | 0.302 0.348 | 0.745 0.584 | 0.400 0.440 | 0.340 0.374 | 0.333 0.387 | 0.707 0.621 | 0.358 0.397 | 0.346 0.388 0.400 | 0.388 | 0.400 | 0.877 | 0.656 | 0.528 | 0.509 | 0.402 | 0.414 | 0.477 | 0.476 | 0.860 | 0.689 | 0.429 | 0.439 | 0.456 | 0.452 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.880 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.40192 **0.361 0.386** | 0.380  $0.407 \ 0.423 \ 0.428 \ 0.432$  $|0.426\ 0.433\ |\ 1.043\ 0.731\ |\ 0.643\ 0.571\ |\ 0.452\ 0.452\ |\ 0.594\ 0.541\ |\ 1.000\ 0.744\ |\ 0.496\ 0.487\ |\ 0.482\ 0.486$ 3360.445 0.431 0.446 1.104 0.763 0.874 0.679 0.462 0.468 0.831 0.657 1.249 0.838 0.463 0.474 0.515 0.5117200.414 0.438 0.427 | **0.367 0.397** | 0.383 | 0.407 | 0.387 | 0.407 | 0.942 | 0.684 | 0.611 | 0.550 | 0.414 | 0.427 | 0.559 | 0.515 | 0.954 | 0.723 | 0.437 | 0.449 | 0.450 | 0.459 Avg |**0.080 0.198**||0.086 ||0.088 ||0.088 ||0.205 ||0.256 ||0.367 ||0.094 ||0.218 ||0.107 ||0.234 ||0.088 ||0.218 ||0.267 ||0.396 ||0.148 ||0.278 ||0.197 ||0.323 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288 ||0.288  $[0.170\ 0.293] \overline{0.177}$  0.299  $[0.176\ \overline{0.299}]$  0.470 0.509  $[0.184\ 0.307]$  0.226 0.344  $[0.176\ 0.315]$  0.351 0.459  $[0.271\ 0.315]$  0.300 0.369 192 $[0.299\ 0.392\ | 0.331\ 0.417\ | \overline{0.301}\ \overline{0.397}\ | 1.268\ 0.883\ | 0.349\ 0.431\ | 0.367\ 0.448\ | 0.313\ 0.427\ | 1.324\ 0.853\ | 0.460\ 0.427\ | 0.509\ 0.524$ 336  $|0.826|0.693|0.847|0.691|\overline{0.901}|\overline{0.714}|1.767|1.068|0.852|0.698|0.964|0.746|0.839|0.695|1.058|0.87|1.195|0.695|1.447|0.941$ 720Avg | **0.343 0.394**| 0.360 <u>0.403</u> | **0.**367 0.404 | **0.**940 0.707 | **0.**370 0.413 | **0.**416 0.443 | **0.**354 0.414 | **0.**750 0.626 | **0.**519 0.429 | **0.**613 0.539  $0.168 \quad 0.215 \mid 0.174 \quad 0.214 \mid 0.177 \quad 0.218 \mid 0.158 \quad 0.230 \mid 0.202 \quad 0.261 \mid 0.172 \quad 0.220 \mid 0.196 \quad 0.255 \mid 0.221 \quad 0.306 \mid 0.217 \quad 0.296 \mid 0.266 \quad 0.336 \mid 0.217 \quad 0.296 \mid 0.266 \quad 0.236 \mid 0.217 \quad 0.296 \mid 0.29$  $\overline{0.212}$   $\overline{0.253}$  | 0.221 | 0.254 | 0.225 | 0.259 | 0.206 | 0.277 | 0.242 | 0.298 | 0.219 | 0.261 | 0.237 | 0.296 | 0.261 | 0.340 | 0.276 | 0.336 | 0.307 | 0.367192 336|0.342|0.345|0.358|0.349|0.354|0.354|0.348|0.398|0.418|0.351|0.386|0.365|0.365|0.345|0.345|0.377|0.427|0.403|0.428|0.419|0.428720Avg | **0.247 0.276** | 0.258 | 0.279 | 0.259 | 0.281 | 0.259 | 0.315 | 0.271 | 0.320 | 0.259 | 0.287 | 0.265 | 0.317 | 0.292 | 0.363 | 0.309 | 0.360 | 0.338 | 0.382 0.246 | 0.148 0.240 | 0.181 0.270 | 0.219 0.314 | 0.237 0.329 | 0.168 0.272 | 0.197 0.282 | 0.247 0.345 | 0.193 0.308 | 0.201 0.31796 0.255 0.162 0.253 0.188 0.274 0.231 0.322 0.236 0.330 0.184 0.289 0.196 0.285 0.257 0.355 0.201 0.315 0.222 0.334192 0.274 | 0.178 | 0.269 | 0.204 | 0.293 | 0.246 | 0.337 | 0.249 | 0.344 | 0.198 | 0.300 | 0.209 | 0.301 | 0.269 | 0.369 | 0.214 | 0.329 | 0.231 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.338 | 0.33336 720 $[0.219 \ 0.307] \ 0.225 \ 0.317 \ | 0.246 \ 0.324 \ | 0.280 \ 0.363 \ | 0.284 \ 0.373 \ | 0.220 \ 0.320 \ | 0.245 \ 0.333 \ | 0.299 \ 0.390 \ | 0.246 \ 0.355 \ | 0.254 \ 0.361 \ | 0.266 \ | 0.361 \ | 0.266 \ | 0.361 \ | 0.266 \ | 0.361 \ | 0.266 \ | 0.361 \ | 0.266 \ | 0.361 \ | 0.266 \ | 0.361 \ | 0.266 \ | 0.361 \ | 0.266 \ | 0.361 \ | 0.266 \ | 0.361 \ | 0.266 \ | 0.361 \ | 0.266 \ | 0.361 \ | 0.266 \ | 0.361 \ | 0.266 \ | 0.361 \ | 0.266 \ | 0.361 \ | 0.266 \ | 0.361 \ | 0.266 \ | 0.361 \ | 0.266 \ | 0.361 \ | 0.266 \ | 0.361 \ | 0.266 \ | 0.361 \ | 0.266 \ | 0.361 \ | 0.266 \ | 0.361 \ | 0.266 \ | 0.366 \ | 0.266 \ | 0.366 \ | 0.266 \ | 0.366 \ | 0.266 \ | 0.366 \ | 0.266 \ | 0.366 \ | 0.266 \ | 0.366 \ | 0.266 \ | 0.366 \ | 0.266 \ | 0.366 \ | 0.266 \ | 0.366 \ | 0.266 \ | 0.366 \ | 0.266 \ | 0.366 \ | 0.266 \ | 0.366 \ | 0.266 \ | 0.366 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.266 \ | 0.26$  $|0.179 \ 0.270|0.178 \ 0.270 \ |0.205 \ 0.290 \ |0.244 \ 0.334 \ |0.251 \ 0.344 \ |0.192 \ 0.295 \ |0.212 \ 0.300 \ |0.268 \ 0.365 \ |0.214 \ 0.327 \ |0.227 \ 0.338 \ |0.214 \ 0.327 \ |0.227 \ 0.338 \ |0.214 \ 0.327 \ |0.227 \ 0.338 \ |0.214 \ 0.327 \ |0.227 \ 0.338 \ |0.214 \ 0.327 \ |0.227 \ 0.338 \ |0.214 \ 0.327 \ |0.227 \ 0.338 \ |0.214 \ 0.327 \ |0.227 \ 0.338 \ |0.214 \ 0.327 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227 \ 0.338 \ |0.227$ 1<sup>st</sup> Count 24