We study a question of Erdős and Graham on products of three factorials being a square.

**Address:**
Andrej Dujella  
Department of Mathematics  
University of Zagreb  
Bijenička cesta 30  
10000 Zagreb  
Croatia

**Address:**
Filip Najman  
Department of Mathematics  
University of Zagreb  
Bijenička cesta 30  
10000 Zagreb  
Croatia

**Address:**
N. Saradha  
School of Mathematics  
Tata Institute of Fundamental Research  
Homi Bhabha Road  
Mumbai - 400 005  
India

**Address:**
Tarlok N. Shorey  
Department of Mathematics  
Indian Institute of Technology  
Powai, Mumbai - 400 076  
India