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# Studying code

Extract\_num\_majors\_and\_minors.py: Examined the file, don't believe requires changes

Looked at comparator project U-Rays code: looks like just need to change the database from Urays to X rays, don't need to adjust actual code

# Part Number Extraction for 7 Series

- We need resources/parts\_all.json & resources/parts\_webpack.json to be updated for 7-series devices to be able to map bitstreams to device architectures
  - Adapted one of their existing .tcl scripts, using Vivado to parse part numbers that RE match `.*-7($| .*)`
- Working towards complete execution of `create_device_summary.py` on an Artix-7 device with part # `xa7a25tcp238-1I`
  - We now have `extract_device_info`, `create_empty_bitstream`, `create_per_frame_crc_bitstream`, `parse_bitstream`, `extract_all_frame_addresses`, and `extract_slr_idcodes` running, but need to validate FAR results