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from spack import *

class Dyninst(Package):
    """API for dynamic binary instrumentation.  Modify programs while they
    are executing without recompiling, re-linking, or re-executing."""
    homepage = "https://paradyn.org"

    version('8.1.2', 'bf03b33375afa66fe0efa46ce3f4b17a',
            url="http://www.paradyn.org/release8.1.2/DyninstAPI-8.1.2.tgz")
    version('8.1.1', 'd1a04e995b7aa70960cd1d1fac8bd6ac',
            url="http://www.paradyn.org/release8.1/DyninstAPI-8.1.1.tgz")

    depends_on("libelf")
    depends_on("libdwarf")
    depends_on("boost@1.42:")

    # new version uses cmake
    def install(self, spec, prefix):
        libelf = spec['libelf'].prefix
        libdwarf = spec['libdwarf'].prefix

        with working_dir('spack-build', create=True):
            cmake('..',
                  '-DLIBELF_INCLUDE_DIR' + libelf.include + '/libelf',
                  '-DLIBELF_LIBRARIES' + libelf.lib + '/libelf.so',
                  '-DLIBDWARF_INCLUDE_DIR' + libdwarf.include,
                  '-DLIBDWARF_LIBRARIES' + libdwarf.lib + '/libdwarf.so',
                  *std_cmake_args)
            make()
            make("install")

    @when('@:8.1')
    def install(self, spec, prefix):
        configure("--prefix=" + prefix)
        make()
        make("install")

```