eh.cm

```
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    */
// Copyright (c) 1994
// Hewlett-Packard Company
// Copyright (c) 1996
// Silicon Graphics Computer Systems, Inc.
// Copyright (c) 2009 Alexander Stepanov and Paul McJones
namespace System. Support
    public nothrow bool HandleThisEx(int* exceptionBaseIdTable, int
       thrown, int catched)
        if (thrown == catched)
            return true;
        int baseId = exceptionBaseIdTable[thrown - 1];
        while (baseId != 0)
            if (baseId == catched)
                return true;
            baseId = exceptionBaseIdTable[baseId - 1];
        return false;
   internal class ExceptionTableRecord
        suppress ExceptionTableRecord();
        suppress ExceptionTableRecord(const ExceptionTableRecord&);
        suppress ExceptionTableRecord (ExceptionTableRecord&&);
        suppress void operator=(const ExceptionTableRecord&);
        suppress void operator=(ExceptionTableRecord&&);
        public void* exceptionAddr;
    }
```

```
public nothrow void* GetExceptionAddr(void* exceptionTable, int
   exceptionId)
    ExceptionTableRecord* table = cast<ExceptionTableRecord*>(
       exceptionTable);
    ExceptionTableRecord * record = table + (exceptionId -1);
    return record -> exception Addr;
}
public nothrow void SetExceptionAddr(void* exceptionTable, int
   exceptionId , void* exception)
    ExceptionTableRecord* table = cast<ExceptionTableRecord*>(
       exceptionTable);
    ExceptionTableRecord* record = table + (exceptionId - 1);
    record->exceptionAddr = exception;
public class ExDeleter<T>
    public nothrow ExDeleter (T* ex_): ex(ex_)
    suppress ExDeleter(const ExDeleter<T>&);
    suppress void operator=(const ExDeleter<T>&);
    suppress ExDeleter (ExDeleter <T>&&);
    suppress void operator=(ExDeleter<T>&&);
    public nothrow ~ExDeleter()
        reset_current_exception();
        if (current_exception_captured() == 0)
            delete ex;
    private T* ex;
}
public const int EXIT_SEGMENTATION_FAULT = 255;
public const int EXIT_UNHANDLED_EXCEPTION = 254;
public nothrow void DestructorUnhandledException()
    Write(stderr, "unhandled exception reached a destructor\n");
    exit (EXIT_UNHANDLED_EXCEPTION);
public nothrow void MainUnhandledException()
    Write(stderr, "got unhandled exception from main\n");
    exit (EXIT_UNHANDLED_EXCEPTION);
```