Package ‘normalizeH’

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Title Normalize Hadamard Matrix

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Depends R (>= 4.2.0)

Suggests HadamardR

Description Normalize a given Hadamard matrix. A Hadamard matrix is said to be normalized when its first row and first column entries are all 1, see Hedayat, A. and Wallis, W. D. (1978) ``Hadamard matrices and their applications. The Annals of Statistics, 1184-1238.'' <doi:10.1214/aos/1176344370>.

NeedsCompilation no

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Contents

`normalizeH` *Normalized Hadamard Matrix*

Description

Converts a given Hadamard matrix to its normalized form

Usage

```
normalizeH(H)
```

Arguments

H	A Hadamard matrix

Value

A normalize Hadamard matrix of same dimension as the input matrix.

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Examples

```
H = matrix(c(1,1,1,-1),nrow = 2)
normalizeH(H)

require(HadamardR)
h8 <- Hadamard_Matrix(8)
normalizeH(h8)
```

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